

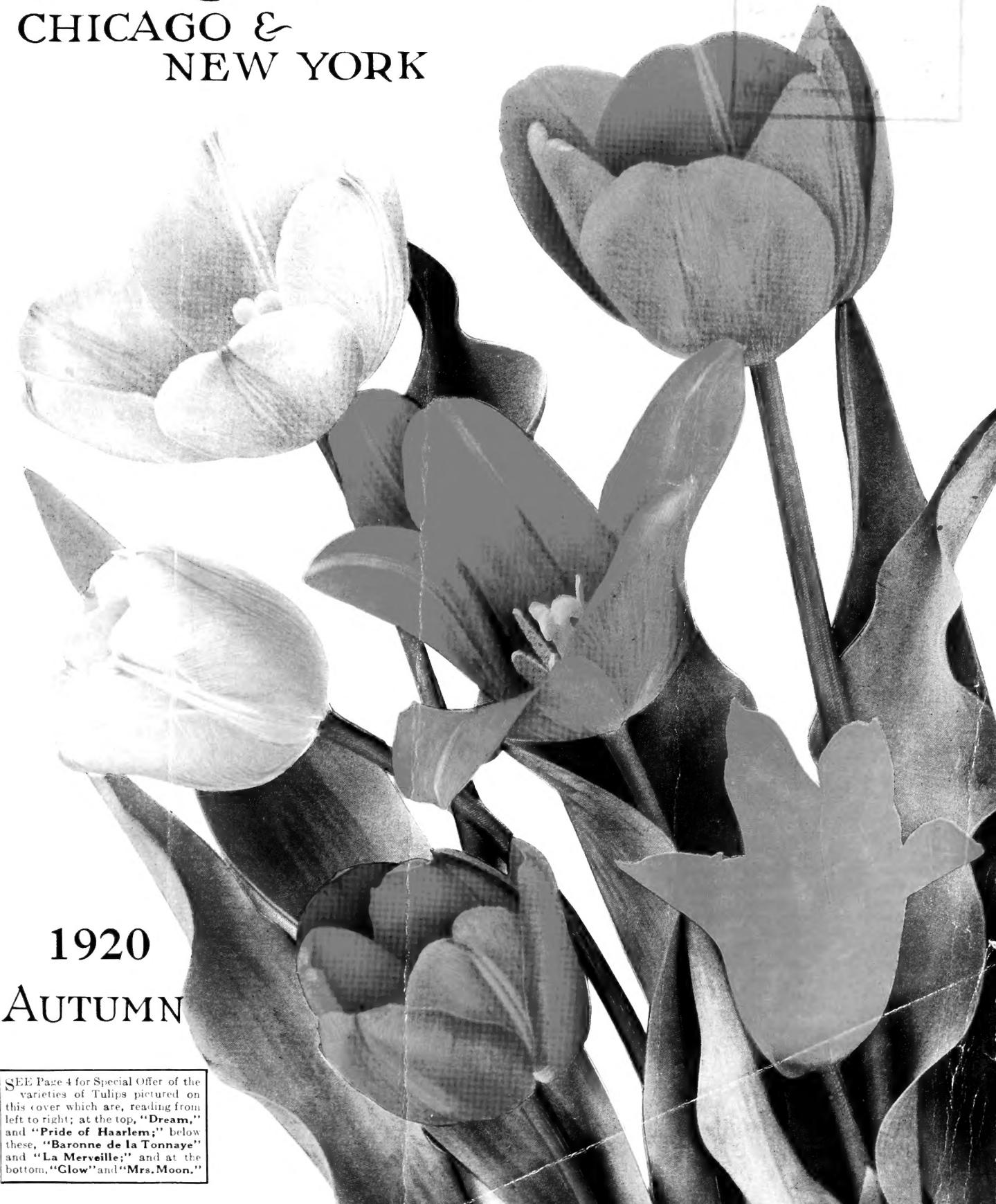
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62.23

Vaughan's Seed Store

CHICAGO &
NEW YORK



1920
AUTUMN

SEE Page 4 for Special Offer of the
varieties of Tulips pictured on
this cover which are, reading from
left to right; at the top, "Dream,"
and "Pride of Haarlem;" below
these, "Baronne de la Tonnaye"
and "La Merveille;" and at the
bottom, "Glow" and "Mrs. Moon."

Helpful Details Making Mail Orders Convenient and Safe

Send to the City Nearest Your Address—Chicago or New York

Order at Once Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheets accompanying this catalog. One order sheet is for **seeds, bulbs and sundries** (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for **plants, shrubs and trees only**. **Don't put plants and trees on the same order sheet with bulbs and seeds.**

Important Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the quantity required of **bulbs, plants or trees**, mentioning size where different sizes are offered, and carry out the price of each item.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form) odorless fertilizers and requisites, may be forwarded by **domestic parcel post** within the United States. See table opposite showing postage you should add to insure **free delivery**.

Express Service For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge they be expressed. Mark order plainly if wanted by Express or Parcel Post.

Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: **September 1—Lilium Candidum**, Roman Hyacinths, **Lilium Harrisii**, Freesias, Peonies. **September 15—Hyacinths, Daffodils and Narcissi, Tulips** and other Dutch bulbs, Callas. **October 20**—Full supply of Lilies, Chinese Narcissi, Dahlias and Gladiolus. **November 10**. Lily of the Valley, new crop Tuberous. **Perennial Plants, September 15** until frost; **Trees and Shrubs** and all nursery stock, **October 1st** until frost.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. **No trees, plants or other perishable stock, are sent C. O. D.**

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteen. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

PARCEL POST Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c.); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

Bulbs for Naturalizing ORDER THESE EARLY

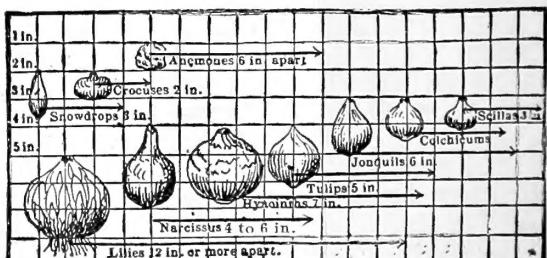
Tulips for Perennial Borders

We strongly recommend the planting of **Darwin** and **Cottage Tulips** in clumps and masses among hardy plants. All are perfectly hardy, and there is nothing to equal them for color and grace, standing boldly over the green foliage of the growing perennial plants in May. In our collections of these, will be found every imaginable shade, and for cutting they are invaluable, particularly in Darwin Varieties.

Select varieties that will harmonize in color, and spade over the plots in the border before planting, adding a couple of handfuls of bonemeal to each square yard, then plant the bulbs 6 inches apart and from 4 to 5 inches deep. Plant the various kinds separately, if you order them under name, to get best results.

Depth at Which Bulbs Should be Planted

Many of our customers are frequently puzzled to know proper depth and distance apart at which bulbs should be planted. The accompanying diagram, conveys the information very clearly. The chart will bear careful study.



Planting in Grass

In planting bulbs in grass a circular hole about 5 or 6 inches deep should be made. If the soil is poor, some prepared compost containing a fair proportion of bone meal should be placed under and over the bulb. Make hole one inch larger than diameter of bulb.



Section of Tulip Trials at
Vaughan's Greenhouse Grounds
WESTERN SPRINGS
ILLS.

With Greetings of Our 43rd Fall Season

IT IS a pleasure to mail this book to the many friends of Spring Flowering Bulbs, assuring them of prompt arrival this autumn. Shipping conditions are normal. The Dutch Bulb harvest has been good, and as this is printed we have cable advice of our usual supply on the sea.

In spite of war-time difficulties, the general use of these splendid flowers has steadily increased. Hardly a lawn or flower garden in city and suburbs but announces the return of spring with borders and beds of Daffodils, Tulips, Hyacinths, and Crocus.

The larger places more than ever blaze with the wonderful range of elegant colorings, supplied by rare shades of Darwin, Cottage, and Breeder Tulips.

It has become the habit and custom of all who garden to make these fall plantings so that from the earliest days of spring the garden shows its promise of the coming season's beauty and barrenness of winter is at once dispelled and the garden from then on claims full interest.

The following pages tell fully the many possibilities of the many kinds we offer.

For more than a dozen years the records of Bulb Importations by Vaughan's Seed Store at the various ocean ports of the country show the largest importations of any single bulb importing seed establishment in the United States.

Our thorough knowledge of quality, our familiarity with growing conditions in Holland and long established relations with reliable growers in the best localities assure us of ability to obtain bulbs of the greatest merit at most reasonable prices—an advantage of which our customers get full benefit.

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F. L. STYLE (Round)

Diam.	Weight packed	Each
6-inch...	2 lbs.	\$0.50
8-inch...	3 lbs.	.90

F. L. STYLE, MATT GREEN

Diam.	Weight packed	Each
5-inch...	1 lb.	\$0.40
6-inch...	2 lbs.	.65
8-inch...	3 lbs.	.90

CLEAR GLASS CUPPED LILY BOWLS (About 3 In. Deep)

Diam.	Weight packed	Each
6-inch...	2 lbs.	\$0.50

STYLE 30 (Octagonal)

Diam.	Weight packed	Each
5-inch...	2 lbs.	\$0.45
6-inch...	2 lbs.	.65

CLEAR GLASS SHALLOW LILY BOWLS

Diam.	Weight packed	Each
5-inch...	1 lb.	\$0.50
6-inch...	2 lbs.	.70
7-inch...	3 lbs.	.85

GRAVEL, such as is used with the above, 5c per lb. 5 lbs., 20c. 10 lbs., 35c.

For Parcel Post Delivery of above, add postage at zone rates.

Darwin Tulips

MAY FLOWERING

BY THEIR wonderful size and stateliness, their exquisite, delicate coloring, by adaptability to American soils, their hardiness and the brilliant display they afford whether massed in beds or grouped with the perennial plants in the Hardy Borders, these late flowering tulips have won a place in the finest gardens in the past few years. Therefore, we give them this season the opening pages of our catalog.

Darwin Tulips are beautifully outlined, cup-shaped and carried on tall, stiff stems. They vary in color from almost jet black, crimson and scarlet, purple to lilac, mauve, pink and indescribable intermediate blippings and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on following pages, with such kinds as Inglescombe Yellow, Gesneriana Lutea, or Mrs. Moon, which flower at the same time.

Planting. Plant four or five inches deep and six inches apart in raised beds or borders so that the bulbs are slightly above the level of adjacent lawn or walks. In preparing the ground, use Vaughan's Rosegrower Bonemeal (three handfuls to a square yard), thoroughly mixed through the soil. Stable manure may also be used, if thoroughly rotted, well mixed with the soil. Planting can be done from September 20th onward, finishing at New York or Chicago by November 15th.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices postage at zone rates from Chicago or New York (see inside front cover) counting twelve bulbs as one pound, fifty as four pounds; one hundred as seven pounds. Larger numbers are sent by express.

SHADES OF RED

Bartigon. (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Per doz., \$1.20; 100, \$8.00; 1,000, \$75.00.

Europe. (22 in.) Glowing salmon-scarlet, shaded rose; well formed globular flower, erect grower and lasts well. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Farncombe Sanders. (25 in.) Fiery rose-scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Per doz., \$1.00; 100, \$7.00; 1,000, \$63.00.

Flambeau. (26 in.) Brilliant rosy scarlet with blue base. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Glow. (23 in.) Brilliant, glowing vermillion, white and blue base. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Harry Veitch. (24 in.) Brilliant blood red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Pride of Haarlem. (28 in.) Bright rose suffused with purple; an enormous flower unsurpassed for groups because of its fine color and stately habit. Per doz., \$0.95; 100, \$6.50; 1,000, \$58.00.

William Pitt. (22 in.) Very dark scarlet, with purple shade on the outer petals; large flower. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

PINK AND ROSE

Baronne De La Tonnaye. (26 in.) Bright rose, margined blush rose; long, large flower, beautifully shaped. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

Clara Butt. (20 in.) Bright shrimp pink, paler edges. Perfect bloom of medium height, white base Midseason, lasts well. The best pink Darwin. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

L'Ingenue. (20 in.) Pale rose, shaded creamy white; inside lit up with salmon rose. Doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

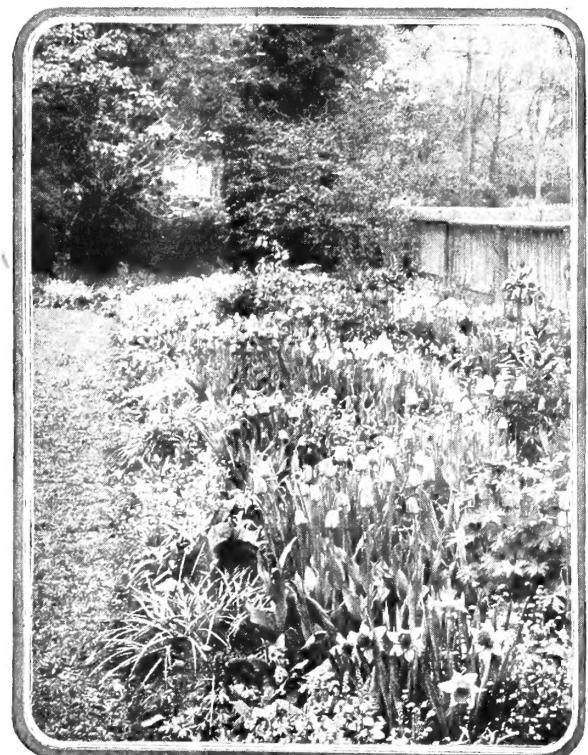
Massenet. (25 in.) Soft apple blossom flushed white, large flower. Per doz., \$3.00; 100, \$22.00.

May Queen. (24 in.) Lilac-rose, white center. Doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

PINK AND ROSE—Continued

Massachusetts. (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Blossoms early and cut blossoms last well. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Mme. Krelage. (27 in.) Very similar to Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier than Massachusetts and tones off into lighter shades all over. Per doz., \$1.00; 100, \$7.00; 1,000, \$63.00.



Darwin Tulips and Daffodils in the Hardy Border
Start the Blooming Season Brilliantly

Darwin Tulips, May Flowering—Special Offers

PINK AND ROSE—Continued

Mrs. Cleveland. (24 in.) Pale lilac rose, with light margin. A delightful color under glass. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

Mrs. Stanley. (24 in.) Rose, purplish outside and paler towards the edges; large bright blue center. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Nauticus. (25 in.) Glowing dark cerise, center violet and bronze. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

Princess Elizabeth. (Syn. Julie Vinot.) (26 in.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Prof. Rawenhoft. (28 in.) Cherry rose with ivory white and blue base. Enormous, attractive flower. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Sieraad Van Flora. (24 in.) Bright rosy pink flower, shaded with lilac; blue base. Very effective. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Suzon. (22 in.) Pale blush pink outside, rosy pink inside. Blue and white base. A distinct and desirable tulip as a companion to some of the dark shades. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

BRONZE, BLACK AND SHADES OF PURPLE

Bronze Queen. (26 in.) Soft golden-yellow bronze. One of the most wonderful beauties of our collection. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Dream. (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color. Per doz., \$0.95; 100, \$6.50; 1,000, \$58.00.

Electra. (25 in.) A fine erect flower, rosy purple with distinct pale border, and white base. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

Erguste. (24 in.) Dark heliotrope, with lavender margin. Keeps its color well. Good for indoors or out. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

DARWIN COLLECTION No. B100

IN THE early spring we secured from a Dutch specialist in Darwins a large percentage of his crop made up of twelve better class sorts at prices which enables us to quote in quantities below, much under ordinary rates for these wonderful spring decorative bloomers. In the grounds of all fine homes these flowers are indispensable.

Postpaid.

D No. 1. 12 bulbs of 12 varieties of merit..... \$1.00
D No. 2. 30 bulbs of 12 varieties of merit..... 2.00
D No. 3. 100 bulbs of 12 varieties of merit..... 5.00

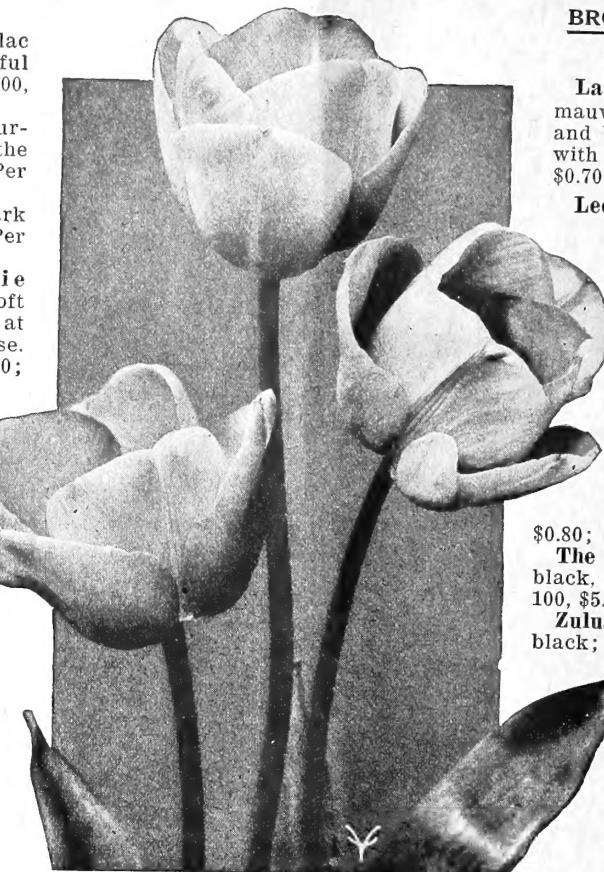
SPECIAL COVER COLLECTION

WE OFFER two bulbs each of the six excellent varieties pictured on our front cover—Dream, Pride of Haarlem, Baronne de la Tonnaye, La Merveille, Glow and Mrs. Moon—twelve bulbs of superlative merit, postage to any address for \$0.75.

OLD-FASHIONED STRIPED TULIPS

Bizarres. Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground. Per doz., \$0.70; 100, \$4.50; 1,000, \$40.00.

Bybloemens. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Per doz., \$0.70; 100, \$4.50; 1,000, \$40.00.



REV. H. EWBANK (20 in.) Deep Lilac, Toning at Edge to Pale Lavender

BRONZE, BLACK AND SHADES OF

PURPLE—Continued

La Tristesse (Dolores). (25 in.) Slaty mauve with silvery margin, and a violet and bronze reverse. A splendid contrast with the yellow Cottage Tulips. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

Leonardo da Vinci. (25 in.) Shining violet black. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Mrs. Potter Palmer. (26 in.) Deep reddish purple, with dark blue base. A striking and distinct tulip. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Rev. H. Ewbank. (20 in.) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat open flower. Lasts well. Most popular of this shade. Per doz., \$0.80; 100, \$5.75; 1,000, \$52.00.

The Sultan. (24 in.) Deep maroon black, brownish margin. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

Zulu. (27 in.) Rich, velvety, purple-black; large cup-shaped flower. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Zanzibar. (24 in.) Rich, glossy maroon, center dark blue and white. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

WHITE AND BLUSH

Gretchen. (23 in.) Pale flesh pink, changing to light peach pink. Large egg-shaped bloom. Per doz., \$0.80; 100, \$5.75; 1,000, \$52.00.

Painted Lady. (27 in.) Creamy white, faint tinge of heliotrope. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Wedding Veil. (24 in.) Creamy white, flushed lilac, clear white base, black markings. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

White Queen. (24 in.) White passing to pink. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

MIXTURE OF DARWIN TULIPS

Special Mixture, made up by ourselves from best distinct kinds. Per doz., \$0.75; 100, \$5.00; 1,000, \$45.00.

Regular Mixture, splendid value for mixed beds and cutting. Per doz., \$0.65; 100, \$4.50; 1,000, \$40.00.

PARROT TULIPS

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all Tulips. Flowering at the same time as other late sorts, they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height of them is about 15 inches.

Admiral de Constantinople, red, tipped orange. Doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Lutea Major, bright yellow; large. Doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Markgrave, yellow, striped scarlet and green. Doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

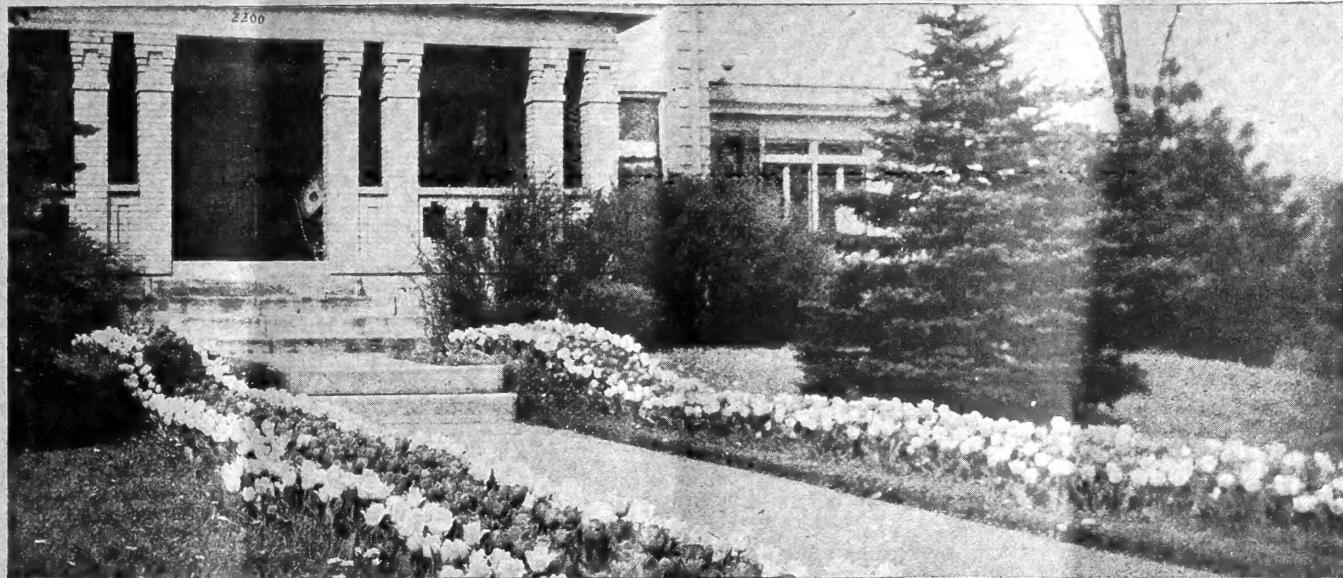
Perfecta, yellow, striped red. Doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Couleur Cafe, brown and yellow. Doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Cramoisie Brilliant, deep crimson with large black center. Doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

Gloriosa, red and yellow. Doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Mixed, Superfine. Doz., \$0.60; 100, \$4.25; 1,000, \$36.00.



Late Flowering Tulips in a Formal Border

THESE Tulips rival the Darwin Class for popular favor. Every known shade is to be found, from deepest crimson, to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink, cream and heliotrope. They differ from Darwin Tulips, in having blooms, many with reflexed petals and they bloom a few days later, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet scented varieties are included, such as Ges. Lutea and G. Lutea Pallida, Mrs. Moon, Columbus. There is no end of material for color schemes in this class and when massed in beds, borders, or around and among shrubs they produce wonderful effects when suitably contrasted. They will bloom in the same position in congenial soil, for two or three years later without being disturbed.

Planting.—Treat same as Darwins.

***For Pots.**—When grown in pots, these, like the Darwin tulips, can be had in flower indoors during March and April in a temperature not exceeding 55 degrees. Those best suited for growing in this way are marked *.

Parcel Post.—If you wish bulbs sent by parcel post, add to our prices postage at zone rates from Chicago or New York (see inside front cover) counting twelve bulbs as one pound, fifty as four pounds; one hundred as seven pounds. Larger numbers are sent by express.

PINK AND ROSE SHADES

Hobhema. (16 in.) Also called **American Lac and Le Reve.** An exquisite shade of salmon pink and old rose. Perfect shape and early. Per doz., \$1.25; 100, \$9.00; 1,000, \$83.00.

***Inglescombe Pink.** (24 in.) Beautiful clear pink with amber tinge inside, later becoming pure pink. Per doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

and heliotrope. They either oval or pointed

Kaleidoscope. Long, handsome flower. Apricot rose, flaked more or less rose crimson. Edged and suffused soft yellow. Per doz., \$3.50; 100, \$25.00.

***Isabella (Shandon Bells).** (15 in.) A beautiful variety with large handsome flowers. Color primrose, flushed rose, changing to rosy-red. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Maiden's Blush (Picotee). (20 in.) A long-shaped flower, pure white recurved petals, margined rose. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

Mrs. Kerrell. Light rose with delicate amber tinge, center white bordered blue. Per doz., \$3.50; 100, \$25.00.

BRONZE, FAWN, LILAC AND WHITE COLORS

Daybreak. (18 in.) Violet with large yellow border. Per doz., \$1.25; 100, \$9.00; 1,000, \$82.00.

***Fairy Queen.** (20 in.) Oblong blooms of rosy heliotrope blending into a golden yellow at the edges of petals. Very distinct. One of the most beautiful of all. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

***Jaune D'Oeuf.** (22 in.) Outside petals rose and orange, inside bronze and yellow. Very distinct. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Norham Beauty. (20 in.) Purplish lilac shaded bronzy yellow. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

***Parisian White.** (14 in.) Pure white, edged silvery-pink, beautiful globe-shaped flowers. Per doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

Royal White. Pure white, yellow center, large flower. Per doz., \$0.90; 100, \$5.75; 1,000, \$52.00.

The Fawn. (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rosy lavender and blush pink margin. One of the prettiest of all late tulips. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

YELLOW AND STRIPED SHADES

Avis Kennicott. (24 in.) Long pointed bloom of pure yellow, edges of petals slightly frilled. Per doz., \$1.00; 100, \$7.00; 1,000, \$63.00.



FAIRY QUEEN (Cottage Type)

Rosy Heliotrope Blending into Golden Yellow

YELLOW AND STRIPED—Continued

***Billietiana Illuminator.** (24 in.) This grand tulip was offered by us in America for the first time three years ago is an immense yellow flower, deeply margined and splashed with crimson, with dark Ixia-like base. Has won many awards. Per doz., \$2.75; 100, \$20.00.

***Bouton d' Or.** (16 in.) Round shapely blooms of the purest gold. Good for massing in beds or borders and very fine for vases when cut. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

***Columbus. (Gala Beauty.)** (18 in.) Medium jointed blooms of rich golden yellow, feathered and splashed with intense glowing scarlet. Sweet scented. A delightful combination of color, distinct from all others. Per doz., \$1.50; 100, \$10.00; 1,000, \$95.00.

Elegans Lutea. (Golden Spire.) (18 in.) Immense pure yellow, the edges of the petals tipped and splashed with red. Almost as fine as Mrs. Moon, but not so tall. Doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

Ellen Willmott. (20 in.) Long pointed bloom of pale primrose yellow, edged golden yellow. Sweet scented. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

***Gesneriana Lutea.** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet scented. One of the best yellow tulips in existence for color and perfume. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

Gesneriana Lutea Pallida. (Mrs. Keightley.) (20 in.) A pale primrose form of the preceding, highly perfumed and a little earlier. A charming tulip. Per doz., \$0.70; 100, \$5.25; 1,000, \$48.00.

Inglescombe Yellow. (18 in.) A fine, large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

***Parisian Yellow.** (22 in.) Large, handsome clear yellow flowers, borne on long stems. Fine for cutting. Per doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

BREEDER

IT IS not so many years ago that we find this class of Tulip practically unknown, but latterly they have attracted much attention and are a fit companion to the Darwin and Cottage classes.

They are very similar in shape and character to the Darwins and bloom at about the same time, being even larger in size at maturity.

The colors, however, are not so brilliant, in fact they are decidedly dull (most browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac), but so exquisitely blended as to produce perfect harmony of color and effective contrasts when planted with their more brilliant Darwin and Cottage companions.

Planting Directions: Plant and treat like Darwin Tulips.

Parcel Post weights are also the same.

Apricot. (24 in.) Bronze shaded Apricot, olive base, large flower. Per doz., \$1.25; 100, \$8.50; 1,000, \$80.00.

Cardinal Manning. (28 in.) Wine-red, flushed rosy-brown. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Don Pedro. A beautiful shade of coffee-brown shaded maroon inside rich mahogany. Per doz., \$2.50; 100, \$17.00.

Feu Ardent. (24 in.) Brilliant fiery red, good forcer. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

COTTAGE TULIPS CONTINUED

***Ixioides.** (18 in.) Pure lemon yellow, very distinct, pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open resembles a giant Ixia, from which it derives its name. Late and lasts. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Leghorn Bonnet. (18 in.) Beautiful pale straw yellow. The broad, thick petals form a peculiar and distinct three-sided bud, not found in other tulips. Per doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

Mrs. Moon. (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Moonlight. (20 in.) Oblong blossoms of delicate pale yellow. Very distinct. Plant in semi-shade. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Retroflexa. (16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed petals, elegantly recurved. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Sulferinna. Clear light yellow. Per doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

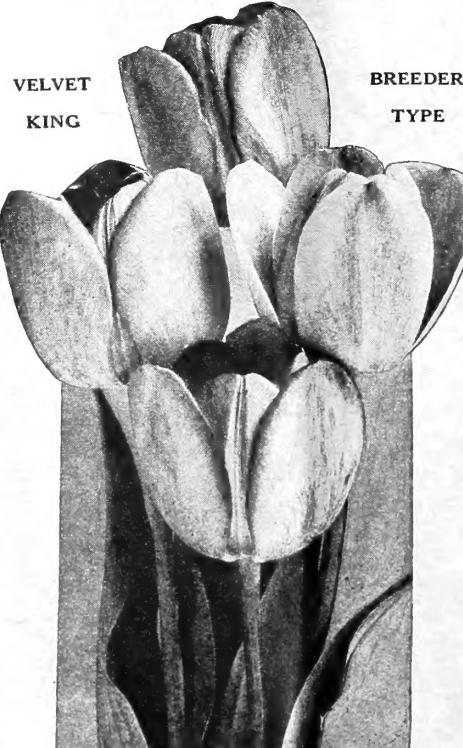
Vitellina. (22 in.) A charming flower of an exquisite pure pale primrose shade. Per doz., \$0.70; 100, \$4.50; 1,000, \$40.00.

Yellow Picotee. (20 in.) Pure Yellow, margined crimson, becoming splashed and feathered with crimson at maturity. Large elegant flower. Per doz., \$1.20; 100, \$8.00; 1,000, \$75.00.

*VAUGHAN'S SPECIAL MIXTURE
COTTAGE TULIPS

AN excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Per doz., \$0.70; 100, \$4.50; 1,000, \$40.00.

Regular mixed. Per doz., \$0.60; 100, \$4.00; 1,000, \$35.00.



SCARLET AND RED SHADES

***Caledonia.** (20 in.) Beautiful globe-shaped flower of a bright orange color. Splendid, planted with a deep red. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

Elegans. (16 in.) Dark crimson, reflexed petals. Very early. Per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

Gesneriana Major (Spathulata Major.) (24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for large plantings especially in combination with yellow or white. Per doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

Gesneriana "Orange Globe." (22 in.) Rich crimson-scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Glare of the Garden. (18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

Hammer Hales. Rich mahogany brown-edged, orange. Per doz., \$2.75; 100, \$20.00.

Inglescombe Scarlet. (16 in.) Brilliant vermillion with a black base. One of the best reds. Per doz., \$0.65; 100, \$4.75; 1,000, \$42.00.

John Ruskin. Large egg-shaped bloom of graceful form and habit. Flowers salmon rose with pale yellow margin; inside heliotrope with golden border and base. One of the choicest in this list. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

***La Merveille.** (20 in.) Extra large fragrant flower, suffused with apricot-orange. Per doz., \$0.70; 100, \$5.00; 1,000, \$43.00.

***Scarlet Emperor.** (24 in.) Brilliant glowing scarlet. Flowers of gigantic size, cup shaped, with clear yellow base. (Awarded 1st-class certificate R. H. S. England.) Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

TULIPS

General Ney. (25 in.) Old gold with olive. Large flower. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Louis XIV (New). (16 in.) An immense flower, rich purple, with golden-bronze margin; inside bronzy purple. A gigantic and very handsome tulip. Per doz., \$5.25; 100, \$40.00.

Lucifer. (18 in.) Bright terra-cotta-orange. Very large. Per doz., \$2.00; 100, \$15.00.

Prince of Orange. Orange-scarlet edged light yellow, flower of striking beauty. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Turenne. (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Inside brownish-yellow. Per doz., \$2.00; 100, \$15.00.

Yellow Perfection. (24 in.) Light bronze yellow. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Velvet King. (21 in.) Crimson maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Per doz., \$2.50, 100, \$17.00.

Violet Queen. Large ruby-violet of stately habit. Per doz., \$1.50; 100, \$10.00, \$1,000, \$90.00.

Vaughan's Best Mixed. Extra fine. Per doz., \$0.65; 100, \$4.50; 1,000, \$40.00.

Vaughan's Early Flowering Tulips

NO FLOWERS give such a lasting and brilliant effect during the spring months for so little cost and trouble, as Tulips.

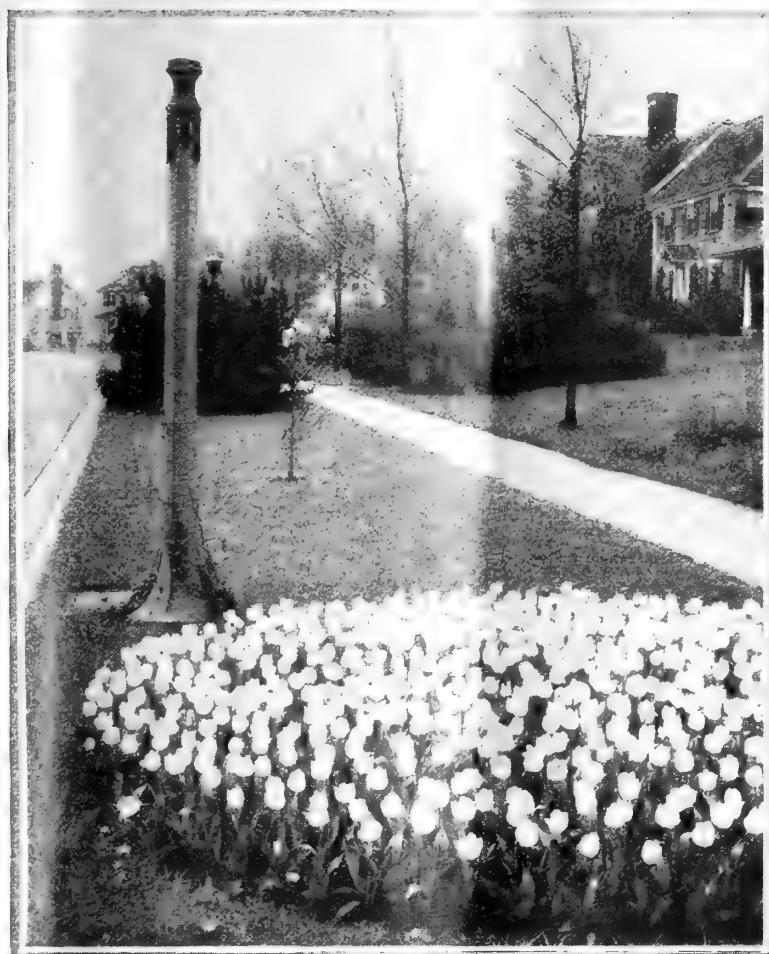
Starting with the Early Single varieties listed hereunder and followed by the glorious Darwin and Cottage Tulips, already described, an extended flowering season is carried on during April and May; and such colors! from the extremes of deep crimson, brilliant scarlet, yellow and white, every intermediate shade and blending is included in these grand flowers, giving plenty of material for contrasts and favorite color schemes.

The popularity of the May flowering varieties—the Darwins, Cottage and Breeders, hitherto described, should not be allowed to overshadow the early flowering tulips. These hardy pioneers fearlessly thrust their heads through the cold, wet soil long before most other plants have stirred from winter's sleep. Their burst of color, heralding the spring, cannot be spared from the drab landscape of our chilly northern April.

Planting.—Do not use fresh stable manure at any time, either in the soil or as a mulch, or you will have no flowers. Plant four to six inches apart and four inches deep. Dig Bone Meal into the beds or borders before planting, about two handfuls to the square yard. When the beds or borders are made, have them raised 4 to 6 inches above the adjacent walk or lawn, this insures proper drainage and prevents lodgments of water around the bulbs, and subsequent rotting. Thoroughly rotted manure (if procurable) may be placed under the bulbs either in beds or pots, but it should not come in contact with them. Put five or six bulbs in a six-inch pot or pan. This is generally the quantity to use.

Explanatory.—The number preceding the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

Parcel Post.—12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on inside of front cover.



Early Tulips in a Boulevard Parkway Furnish Spring's First Burst of Color

SINGLE FLOWERING VARIETIES

SINGLE PINK AND ROSE

		Doz.	100	1,000
9b	Cottage Maid , pink, striped white	\$0.75	\$5.50	\$50.00
8a	Flamingo , Carmine-rose and white.....	1.00	7.00	65.00
8b	Mme. Frylink , very fine pink .....	.85	5.75	52.00
10a	Queen of the Netherlands , pale pink.....	.70	5.25	48.00
12b	Pink Beauty , bright rose pink shading to blush-white	1.00	7.00	65.00
12a	Princess Wilhelmina , deep rosy red, flushed white .....	.85	5.75	52.00
9a	Prosperine , glossy pink, early	1.50	10.00	95.00
	Prosperity	1.10	7.50	70.00
7b	Rose Gris de Lin , delicate rose, flushed white .....	.70	5.00	45.00
7b	Rose Luisante , brilliant deep pink.....	.75	5.50	50.00
8a	Vaughan's New Pink , pink, shaded white.....	.75	5.25	47.00

SINGLE SCARLET AND CRIMSON

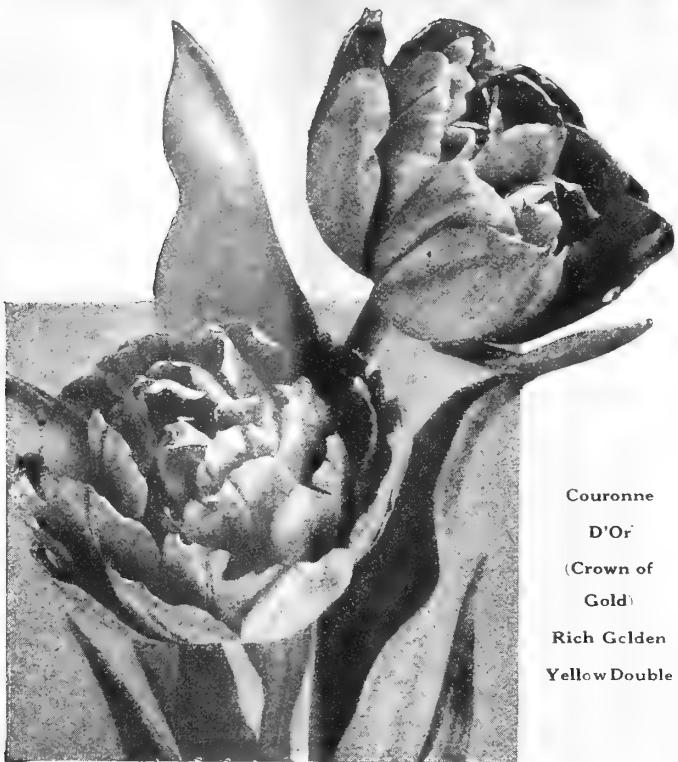
		Doz.	100	1,000
7b	Artus , a splendid deep scarlet	\$0.70	\$5.25	\$48.00
8b	Belle Alliance , brilliant scarlet .....	.75	5.50	50.00
8a	Brilliant Star , bright glowing scarlet; very early	1.35	9.50	90.00
8a	Couleur Cardinal , crimson	1.00	7.00	65.00
7b	Cramoisie Brilliant , bright scarlet .....	.85	5.75	52.00
6a	Due Van Thol , Scarlet. For pots only.....	.85	5.75	52.00
7a	Dusart , dark red.....	.70	5.25	48.00
12a	Sir Thomas Lipton , rich crimson-scarlet ..	.85	5.75	52.00
7b	Vermillion Brilliant , dazzling vermillion-scarlet, fine for pots..	.95	6.50	60.00

SINGLE WHITE

		Doz.	100	1,000
8b	La Reine , white, shaded rose	\$0.85	\$5.75	\$52.00
9a	Pottebakker White , pure white .....	.95	6.50	60.00



Couleur Cardinal
Large Crimson Single



SINGLE WHITE—Continued

		Doz.	100	1,000	
10a	Princess Helena, pure white.....	\$0.70	\$5.25	\$48.00	
8a	Princess Marie Anne, white, shaded rose .....	.70	5.25	48.00	
10a	Queen of the Whites, pure white.....	.85	5.75	52.00	
12b	Snowflake, snow-white .....	.90	6.00	55.00	
8b	Von Vondel, pure white, splendid.....	.95	6.50	60.00	
15b	White Swan, pure white.....	.70	5.00	45.00	
7a	White Hawk, white; very fine.....	.95	6.75	62.00	

SINGLE YELLOW

		Doz.	100	1,000	
8b	Chrysolora, golden-yellow; fine bedder.....	\$0.75	\$5.50	\$50.00	
10b	Fred Moore, deep orange, edged yellow .....	.70	5.25	48.00	
7a	Gold Finch, pure yellow, sweet scented .....	.70	5.25	48.00	
12b	Golden Queen, beautiful golden-yellow .....	.75	5.50	50.00	
7a	Mon Tresor, pure yellow; large cup...	1.15	7.75	72.00	
12a	Prince de Ligny, golden-yellow.....	7.00	5.00	45.00	
	Rising Sun.....	1.25	9.00	85.00	
8a	Yellow Prince, golden yellow; fine forcer .....	.70	5.25	48.00	

STRIPED, MARGINED OR OTHERWISE

		Doz.	100	1,000	
12b	Cottage Boy, orange-red, bordered yellow	\$0.85	\$5.75	\$52.00	
9b	Duchesse de Parma, orange-scarlet, yellow edge.....	.85	5.75	52.00	
6a	Due de Berlin, clear scarlet, edged yellow .....	.85	5.75	52.00	
10b	Grand Duke, red with distinct wide golden border, one of the finest.....	.70	5.25	48.00	
8a	Prince of Austria, orange-vermillion .....	.85	5.75	52.00	
8b	President Lincoln, light violet.....	.70	5.25	48.00	
7b	Thomas Moore, apricot-orange.....	.70	5.00	45.00	
7b	Wouverman, dark violet.....	.70	5.00	45.00	
these flowers are indispensable.					

SPECIAL MIXTURE DOUBLE-NAMED TULIPS

These make a fine effect where a solid color is desired, and their cost is not so much as the listed varieties; we are sure our customers will be pleased with results.

		Doz.	100	1,000	
White, Pink, Red }		\$0.85	\$5.75	\$52.00	
Yellow Striped }					

Double Early Tulips

WHAT we said on the preceding page about Tulips applies to the Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties and consequently, when single and double are planted in one bed, the time of flowering is prolonged from two to three weeks. Early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the Single Tulips.

DOUBLE RED

Planting directions and parcel post weights are given on page 7; also explanation of code number and letter preceding each variety.

		Doz.	100	1,000
9a	Imperator Rubrorum, bright scarlet.....	\$1.10	\$7.50	\$70.00
12c	Le Matador, scarlet with purple glow.....	.90	6.00	55.00
8b	Rubra Maxima, dazzling scarlet.....	.85	5.75	52.00
9b	Vuurbaak, bright scarlet, suffused orange	1.10	7.50	70.00

DOUBLE WHITE

		Doz.	100	1,000
10b	Boule de Nieve, pure white.....	\$0.85	\$5.75	\$52.00
12b	La Grandesse, blush-white.....	.85	5.75	52.00
12b	Schoonoord (White Murillo), pure white. Extra fine.....	.85	5.75	52.00

DOUBLE PINK

		Doz.	100	1,000
10b	Couronne des Roses, bright pink.....	\$0.75	\$5.50	\$50.00
12c	Lac Von Haarlem, rosy-violet.....	1.00	7.00	65.00
10b	Lord Baconsfield, deep rose.....	.85	5.25	52.00
14b	Lucretia, deep rose.....	.85	5.75	52.00
7a	Murillo (fancy), large pink, suffused white .....	.85	5.75	52.00
8a	Salvator Rosa, beautiful rose, fine forcer	1.00	7.00	63.00

DOUBLE YELLOW

		Doz.	100	1,000
12b	Brimstone Beauty, yellow and apricot.....	\$1.20	\$8.00	\$75.00
10a	Couronne d'Or (Crown of Gold), beautiful rich golden yellow.....	.90	6.00	55.00
12b	Golden King, large pure deep yellow	1.50	10.00	.....

DOUBLE STRIPED OR OTHERWISE COLORED

		Doz.	100	1,000
9a	Gloria Solis, bright scarlet, yellow border	\$0.85	\$5.75	\$52.00
8b	Titan, scarlet, edged yellow .....	.95	6.50	58.00
8a	Tournesol, Red and Yellow, very showy	1.00	7.00	62.00

VAUGHAN'S MIXTURES OF DOUBLE TULIPS

		Doz.	100	1,000
Vaughan's Special Mixture. This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of cheap sorts.....				
		\$0.70	\$5.00	\$45.00
Extra Fine Double Mixed.....				
		.60	4.50	40.00

A SPLENDID LATE DOUBLE TULIP

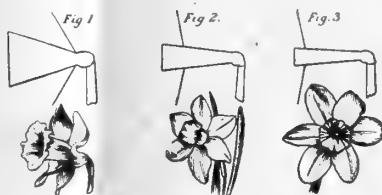
		Doz.	100	1,000
Bleu Celeste (Blue Flag). Blooming in May with the Cottage Tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony) a delightful shade of pale bluish-purple and are borne on long stems, making them splendid decorative flowers.....				
		\$1.20	\$8.00	\$75.00

DAFFODILS

or Narcissi

NO EARLY spring flower has become more popular than the Daffodils. In beauty of form and color in hardiness, they hold a distinguished place in every garden. They are so easily grown that even the beginner can have them in abundance. Astonishing prices are paid today for a single bulb of some of the new hybrids and the list of varieties is long.

Those we offer are all choice distinct types of the different groups, some moderately priced new kinds being listed each year. They are perfectly hardy (excepting the Polyanthus group), and do well in any location, flowering and increasing yearly. Groups of Daffodils in the border with perennial plants or along the edges of shrubbery are exceedingly effective. Nothing is finer for winter flowering in greenhouses and window gardens or growing in pots or pans. Three or four bulbs can be planted in a 6-inch pan and should be given the same treatment as early Tulips. For outdoor culture plant the bulbs 5 or 6 inches apart, fertilizing with bone meal at the rate of two handfuls to a square yard. Never dig in fresh manure.



CLASSIFICATION OF NARCISSI OR DAFFODILS

"Daffodils" or "Narcissi" are divided into three main divisions: (A) **MAGNI CORONATI**, large trumpet Daffodils; (B) **MEDIO CORONATI**, medium sized trumpets, and (C) **PARVI CORONATI**, small cupped varieties. If a Narcissus bloom is examined,

it will be found to consist mainly of two parts: (1) a long expanding tube, and, (2) a perianth (the petals or perianth segments) bending outwards from the tube; the three classes mentioned above depend upon the point on the tube or trumpet at which the petals are attached.

When all the petals come from the base, so that the tube entirely forms the trumpet, the flower belongs to the **Magni Coronati** (Fig. 1). When they come further forward on the tube, thus shortening the trumpet in front by about half, it

belongs to the **Medio Coronati** (Fig. 2), and when the perianth is still more forward until the trumpet appears small-cupped or saucer-shaped, this is a type of **Parvi Coronati** (Fig. 3). Example 1—**King Alfred**; example 2—**Gloria Mundi**; example 3—**Incognita**.

VAN WAVEREN'S GIANT. LARGEST OF ALL TRUMPETS. SEE PAGE 10.

Large Trumpets ALL YELLOW

Parcel Post. Large bulbs, 12 weigh $1\frac{1}{2}$ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone Rates.

Vaughan's Christmas Glory. Perianth pale yellow and full Medium size trumpet of rich yellow, well expanded and prettily frilled. Very productive, large bulbs giving from three to six blooms each. A week to 10 days earlier than any other in this list. Invaluable indoors on account of its earliness and free-blooming qualities. Doz. \$1.10; 100, \$7.50; 1,000, \$70.00.

Emperor. A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Large bulbs, per doz., \$0.95; 100, \$6.30; 1,000, \$57.00. Mammoth bulbs, per doz., \$1.25; 100, \$8.50; 1,000, \$80.00.

Golden Spur. A tall, vigorous, golden yellow flower, with healthy green foliage. Fine for beds or pots. Very early. Large bulbs, per doz., \$0.90; 100, \$6.00; 1,000, \$55.00. Mammoth bulbs, per doz., \$1.20; 100, \$8.00; 1,000, \$75.00.

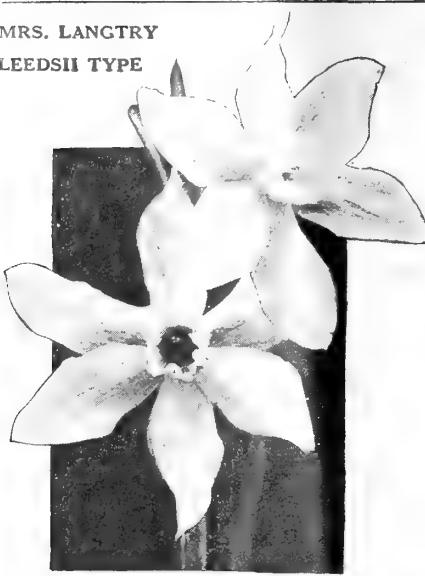
Glory of Leiden. Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection. Per doz., \$1.25; 100, \$8.50; 1,000, \$80.00.

King Alfred. "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures $2\frac{1}{2}$ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Per doz., \$2.50; 100, \$17.00.



KING ALFRED
The King of Yellow Daffodils.



MRS. LANGTRY
LEEDSII TYPE

LARGE TRUMPETS—Continued

Olympia. Sulphur yellow perianth, handsome yellow frilled trumpet. Per doz., \$2.50; 100, \$17.00.

Spurius Major (Single Von Sion). Flower large and of a uniform deep golden-yellow. Highly prized as a forcing sort and large planted outside. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Van Waveren's Giant. The largest of all trumpets, perianth primrose, trumpet bright orange-yellow. Per doz., \$2.75; 100, \$20.00.

Willie Barr. A beautiful trumpet, daffodil perianth, clear soft yellow, trumpet rich deep yellow. Per doz., \$1.25; 100, \$9.00; 1,000, \$85.00.

MEDIUM-SIZED TRUMPETS

Incomparabilis Class

THIS class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

We include under this heading the beautiful Leedsii kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white perianths and as a rule white cups, though some are often shaded primrose or faint buff-orange.

Parcel Post. Weights of all the following bulbs are as follows: 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates on inside of front cover.

Autocrat. A flower of exquisite shape; perianth and cup a uniform pure yellow. Excellent for pots or beds. Per doz., \$0.85; 100, \$5.85; 1,000, \$53.00.

Beauty. Sulphur-yellow perianth, large yellow cup margined scarlet. Per doz., \$0.50; 100, \$5.20; 1,000, \$47.00.

Gloria Mundi. A lovely flower, with fine bold, clear rich yellow perianth, large cup, much expanded, and very heavily stained orange-scarlet; handsome and striking. Per doz., \$0.95; 100, \$6.30; 1,000, \$57.00.

Homespun (Primrose Sir Watkin). One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. Has received more awards than almost any other Daffodil. Per doz., \$3.50; 100, \$25.00.

Lucifer (New). Long, white segments, long narrow cup, color intense glowing orange-scarlet. Splendid garden plant, as color lasts well in the sun. Per doz., \$0.85; 100, \$5.85; 1,000, \$53.00.

Sir Watkin. A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large rich golden trumpet. Large size, per doz., \$0.95; 100, \$6.30; 1,000, \$57.00. Mammoth bulbs, per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Will Scarlet. Fiery orange-red cup, very broad and wide open. Per doz., \$2.75; 100, \$20.00.

Large Trumpet Narcissi
BICOLOR TYPES

White or cream perianth segments with primrose or deep yellow trumpets.

Parcel Post. Large bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone rates.

Duke of Bedford (New). A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet. Doz., \$3.50; 100, \$25.00.

Empress. This makes a fitting companion to Emperor. We think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect. Large bulbs. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00. Mammoth bulbs. Per doz., \$1.30; 100, \$9.25; 1,000, \$83.00.

Glory of Noordwijk. A grand bicolor, large yellow trumpet, petals sulphur yellow. Per doz., \$1.50; 100, \$11.00; 1,000, \$100.00.

Miss Ellen Terry. Fine white perianth, yellow trumpet, early forcer. Per doz., \$1.25; 100, \$9.00; 1,000, \$85.00.

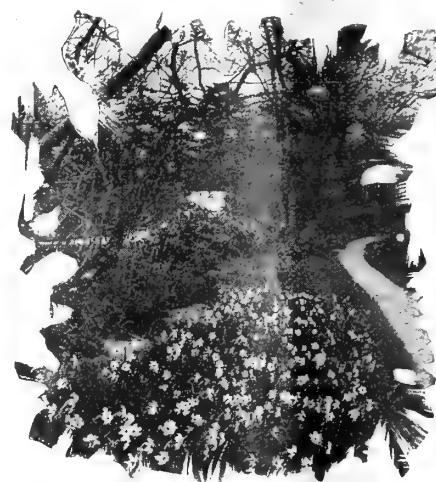
Mme. Plemp. Pure white perianth, with broad over-lapping segments. Fine yellow trumpet of great substance. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Mrs. Walter T. Ware. A perfect shaped, very free and early blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden yellow trumpet. Per doz., \$1.05; 100, \$7.40; 1,000, \$67.00.

Princeps Maximus. A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow. Large bulbs. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00. Mammoth bulbs. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

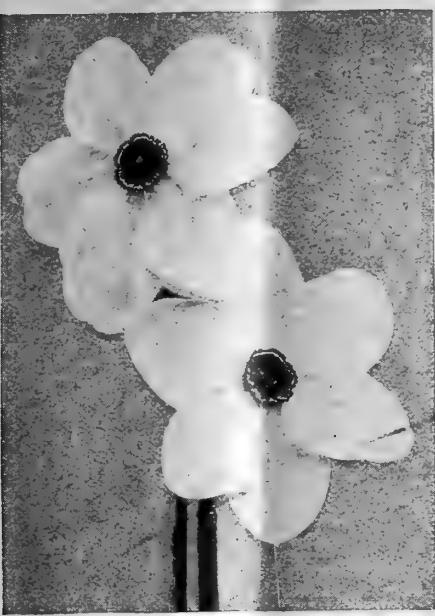
Victoria. Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow and frilled at mouth. Large bulbs. Per doz., \$0.95; 100, \$6.30; 1,000, \$57.00. Mammoth bulbs. Per doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

Buffalo, N. Y.
Thank you for the promptness you have
given my order and the fine quality of bulbs
delivered.
ERNEST C. STEVENS.



Daffodils Naturalized in a Woodland

NARCISSUS VICTORIA
Cream White Perianth, Rich Yellow
Trumpet.

TYPE OF *NARCISSUS POETICUS***LEEDSII NARCISSUS**

ALL have white perianths with white or sulphur trumpets. Most beautiful classes for cutting of all daffodils.

Duchess of Westminster. A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white. Per doz., \$1.25; 100, \$8.50; 1,000, \$80.00.

Evangeline. Pure white perianth, lemon yellow cup. Per doz., \$1.25; 100, \$8.50; 1,000, \$80.00.

Marie De Graaf. Broad, white perianth, petals and widely expanded primrose crown, often suffused with orange or terra cotta shade. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Mrs. Langtry. A remarkably free flowering variety, broad white perianth, and white cup opening pale primrose. Valuable for naturalizing. Per doz., \$0.65; 100, \$4.50; 1,000, \$40.00.

White Lady. A giant flowering variety resembling a White Sir Watkin. Large, broad, pure white perianth and a bold frilled cup of pale citron passing to white. Per doz., \$0.95; 100, \$6.30; 1,000, \$57.00.

SMALL CUPPED OR STAR NARCISSI

TO THIS class belong the most interesting of all Narcissi, including the Barri, Burbridgei and Englehardtii (Flat Trumpet) sorts. Their pedigree is similar to the Icomparabilis type, but they inherit more of the Poeticus character in having the cups less than one-third of the length of the perianth segments (petals) and more of the red parent blood suffused through the cup. These are usually tipped red, or entirely orange-scarlet, and make dainty flowers for pot culture, or nooks in the garden.

Parcel Post. Reckon postage at 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Albatross. Perianth white, cup pale citron-yellow, frilled edged orange-red. Per doz., \$0.50; 100, \$5.20; 1,000, \$47.00.

Barri Conspicuous. A flower of exquisite beauty, unexcelled for cutting; large, broad spreading perianth, broad, short cup conspicuously edged bright orange-scarlet. Lasts long in water. Per doz., \$0.75; 100, \$5.50; 1,000, \$50.00.

Flora Wilson. A large pure white perianth; yellow crown deeply stained with orange red. Per doz., \$0.95; 100, \$6.30; 1,000, \$57.00.

Inconspicuous (New). A beautiful flower, with large white perianth, large, flat cup of a glowing orange apricot color, margined cinnamon-buff. One of the finest of recent introductions. Per doz., \$3.50; 100, \$25.00.

Poeticus Narcissus

THE pure white perianth and all red or picoteed cup and delicious perfume peculiar to itself, makes this one of the most popular of all Narcissi. Millions of these are annually forced for the world's great cut flower markets, and the better, large-flowered, newer types always receive prominence in the choicest corners (usually shady) of the better gardens, and in pots or pans in the best homes and conservatories.

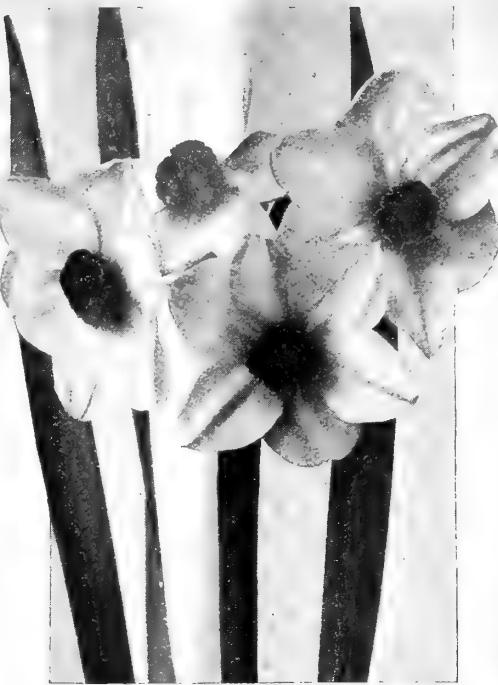
Woodland border and brinks of streams or ponds can also be made peculiarly picturesque when liberal plantings of these unfold their whiteness to the April breezes.

Parcel Post. Reckon postage at rate of 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Glory of Lisse. Much better than Poeticus Grandiflorus, pure white yellow cup, very large. Per doz., \$1.05; 100, \$7.40; 1,000, \$67.00.

Horace. Snow-white perianth, dark red cup. Per doz., \$2.00; 100, \$15.00.

King Edward VII (Almira). Magnificent large flowers with broad,



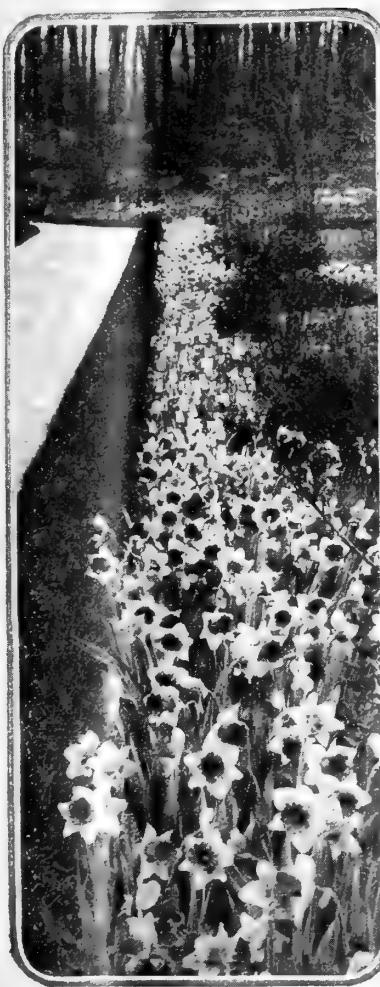
NARCISSUS POETAZ ELVIRA

POETICUS NARCISSUS—Continued

round petals, a glistening white; the yellow cup is edged deep red; very early flowering variety. Doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Poeticus (Common Pheasant's Eye). The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Per doz., \$0.65; 100, \$4.20; 1,000, \$37.50.

Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut flower. Large bulbs, per doz., \$0.60; 100, \$3.70; 1,000, \$33.00. Mammoth bulbs, per doz., \$0.70; 100, \$5.00; 1,000, \$45.00.

A WOODLAND WALK BORDERED
WITH DAFFODILS

BY CROSSING Poeticus and Polyanthus varieties, growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. Planted in beds they make a mass of flowers. They also do well planted in pots for winter flowers.

Parcel Post. 12 bulbs weigh 1 lb.; 100, 7 lbs. Add postage at Zone rates.

Alsace. Petal pure white with yellow eye; when bursting into flower the eye is slightly edged reddish. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Aspasia. Perianth pure white, with yellow eye. Large flowers, grows 24 inches, 3 to 4 flowers on a stem. Per doz., \$0.95; 100, \$6.50; 1,000, \$60.00.

Irene. Perianth silky sulphur-yellow changing to light yellow; orange eye; large broad truss, bearing 8 to 9 flowers. Per doz., \$0.90; 100, \$6.00; 1,000, \$55.00.

Irene. Perianth yellow, with deep golden eye; one of the deepest yellows. Trusses bring 6 to 7 flowers. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Triumph. Pure white perianth, with deep yellow eye; the largest flowers of this section, resembling Narcissus Bazelman Major, 3 to 4 flowers on a stem. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

DAFFODILS OR NARCISSI—Continued

Polyanthus *Narcissus* (BUNCH FLOWERED)

NARCISSUS TAZETTA

THE Polyanthus or bunch-flowered Narcissi are not only beautiful, but exceedingly fragrant, and may be grown in bowls or glasses under the same treatment as for Chinese Sacred Lily. Also suitable for window garden, conservatory or garden, very free flowering and continuing long in bloom. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden.

If by PARCEL POST, 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates.

Bazileman Major—Large flowers in immense clusters; broad pure white perianth; large dark yellow cup; one of the finest Polyanthus Narcissus in cultivation.....	Doz. .15	\$1.20	\$8.00
Gloriosus—Pure white flowers of large size with orange cup; borne in large heads.....	.15	1.20	8.00
Grand Monarque—One of the finest of the Polyanthus section, giving excellent results when grown in gravel and water. The bulbs are of large size. Flowers are white with a lemon-yellow cup.....	.15	1.20	8.00
Grand Primo—Perianth pure white, with citron cup.....	.15	1.20	8.00
Lord Canning—Clusters of large golden-yellow flowers with orange cups; extra fine.....	.15	1.20	8.00
Maestro—Large round, thick-petaled flowers of cream white, with deep orange cup; a grand sort.....	.15	1.20	8.00
Mont Cenis—This is undoubtedly the finest of Narcissi; its large white flowers with yellow cup come to a medium height, often more than two flower stems from a bulb and each stem 15 to 18 blooms.....	.15	1.20	8.00
WHITE PEARL—Large pure white flowers opening with cream cups, which change to white in a day or two; these chaste and beautiful flowers are borne in large clusters....	.15	1.20	8.00

Paper White Grandiflora

LARGE FLOWERING—More vigorous and earlier than the old Paper White, producing purest snow-white flowers of large size and good substance. This Narcissus does splendidly when grown in bowls of water and pebbles or moss the same as Chinese Narcissus. Doz. 100 1000
Medium Bulbs, 12-13 cmts..... \$0.40 \$2.75 \$25.00
Fancy Selected Bulbs, 13 cmts..... .50 3.50 30.00
Mammoth Bulbs, 14 cmts..... .60 4.00 35.00

Vaughan's Special Collections,

Polyanthus *Narcissus*

14A—1 of each (6 varieties), postpaid	\$0.60
14B—3 of each (6 varieties), postpaid	1.50

PAPER WHITE GRANDIFLORA Growing in Gravel

Double Sacred Lily (Double Roman Narcissus)

GROWN in the same manner as Chinese Sacred Lily. Produces abundance of double flowers; white, shaded beautifully yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. Each, 10c; doz., 75c; 100, \$5.00.

Double Narcissi

THESE old fashioned daffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs; 50, 7 lbs.

Alba Plena Ordorata—The well known double white, sweet scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late flowering, and will not force. Best suited for beds or naturalizing. (See page 15).....	Doz. 100 \$4.50	1000 \$40.00
Incomparabilis (Butter and Eggs), the double form of Sir Watkin. Light yellow and orange; forces well.....	.90 6.00	55.00
Orange Phoenix (Eggs and Bacon) white and orange.....	.95 6.50	60.00
Sulphur Phoenix (Coddins and Cream), white and sulphur yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow.....	.95 6.50	60.00
VON SION, the common Double Yellow Daffodil Mother Bulbs. (Jumbo Size.) The bulbs are extra large in size, and often give three to five flowers.....	1.25 9.00	85.00
VON SION XXX Mammoth Double-Nosed Bulbs, largest and finest roots our growers can select. Each bulb will bring two or more flowers.....	1.15 8.00	75.00
VON SION, Fancy Selected Bulbs.....	.90 6.00	55.00

True Jonquils—*Narcissus*

JONQUILS are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller Narcissi. For indoor decoration three or four bulbs should be grown in a four or five inch pot. Add postage at zone rates. 12 bulbs, 1 lb; 100, 7 lbs. Doz. 100 1000

Double. Fragrant. Rich golden yellow, fragrant flowers, usually two on a stem... \$0.60 \$4.00 \$35.00

Campernelle. Large, for forcing or bedding. Very fragrant..... .60 4.00 35.00

Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing..... .60 4.00 35.00

Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed. .60 4.00 35.00

Vaughan's "Amateur" Collections

These prices quoted do not include prepayment. Our selection of varieties.

Price

Large Cuffed Narcissus { 14G—10 varieties; 6 of each (60 bulbs) postage extra, at zone rates.....	\$.425
14H—10 varieties; 12 of each (120 bulbs) postage extra, at zone rates.....	8.00
14K—10 varieties; 25 of each (250 bulbs) by express.....	14.00



NARCISSUS VON SION
(Double Daffodil)

VAUGHAN'S NAMED HYACINTHS (Single)

First Size Hyacinths

Single Blue and Purple

	Each	Doz.	100
2 Bismarck bright blue.....	\$0.25	\$2.50	\$18.00
2 Captain Boynton , sky blue, large spike.....	.22	2.25	16.00
2 Competitor , light blue.....	.25	2.50	17.00
3 Enchantress , porcelain blue.....	.25	2.50	17.00
2 Grand Maitre , dark porcelain, medium early.....	.22	2.25	16.00
2 Grand Lilas , early, very handsome.....	.25	2.50	17.00
2 Johan , light blue, large bells.....	.22	2.25	16.00
4 King of the Blues , dark, medium only.....	.22	2.25	16.00
3 Lord Balfour , lilac-rose.....	.25	2.50	18.00
2 Marie , dark, large spike, medium early.....	.22	2.25	16.00
2 Potgieter , light blue.....	.22	2.25	16.00
4 Queen of the Blues , light fine spike.....	.22	2.25	16.00
2 Schotel , light blue, large spike.....	.22	2.25	16.00

Single Red and Rose

	Each	Doz.	100
4 Cardinal Wiseman , dark pink.....	\$0.22	\$2.25	\$16.00
1 Garibaldi , brilliant red, early.....	.25	2.50	17.00
2 General de Wet , light pink.....	.22	2.25	16.00
3 Gertrude , rose pink, medium early: one of the best pot varieties.....	.22	2.25	16.00
2 Gigantea , light pink bells, compact spike: medium early.....	.22	2.25	16.00
3 Jacques , rose pink.....	.25	2.50	17.00
3 La Victoria , brilliant dark pink.....	.25	2.50	17.00
1 Lady Derby , delicate pink, early forcer.....	.22	2.25	16.00
2 Moreno , bright pink, broad spike, early.....	.22	2.25	16.00
2 Marconi , bright pink.....	.25	2.50	18.00
2 Queen of Pinks , choice pink.....	.25	2.50	18.00
3 Robert Steiger , deep crimson, medium early.....	.22	2.25	16.00
3 Roi des Belges , bright scarlet, early.....	.22	2.25	16.00

Single White and Blush

	Each	Doz.	100
2 Albertine , pure white, early.....	\$0.25	\$2.50	\$17.00
Angenis Christina , pure white, early.....	.25	2.50	17.00
General Vetter , blush white.....	.25	2.50	17.00
2 Grandeur a Merveille , blush late.....	.22	2.25	16.00
2 Hein Rooden , snow white.....	.25	2.50	18.00
3 La Grandesse , pure white, large bells, splended spike.....	.22	2.25	16.00
2 L'Innocence , pure white, compact truss on short stem, fine for pots.....	.22	2.25	16.00
3 Madam Van der Hoop , large spike, late.....	.22	2.25	16.00
3 Queen Emma , waxy white.....	.25	2.50	18.00

Single Yellow and Orange

	Each	Doz.	100
2 Buff Beauty , orange yellow.....	\$0.25	\$2.50	\$18.00
3 City of Haarlem , golden-yellow.....	.25	2.50	17.00
4 King of the Yellows , extra medium early.....	.22	2.25	16.00
3 Yellow Hammer.....	.22	2.25	16.00

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden.

We have selected from the list of varieties on page 3 a few of the best of each color suitable for culture in pots and glasses, and offer them in collections at a reduction from the regular price. The following are the varieties;

Lady Derby, Pink.
Roi des Belges, Red.
L'Innocence, White.

Grand Maitre, Light Blue.
King of the Blues, Dark Blue.
King of the Yellows, Yellow.

PREPAID PRICES—

A— 6 Bulbs, one of each variety.....	Postpaid for ..	\$1.30
B—12 Bulbs, two of each variety.....	" "	2.50
C—24 Bulbs, four of each variety.....	" "	4.50
D—36 Bulbs, six of each variety.....	" "	6.75

Gentlemen:—

Nashville, Conn.

The shipment of Bulbs that I ordered from your firm have arrived in good condition and I wish to thank you for your efficiency in filling same.

Yours truly,
PETER MUIR



VAUGHAN'S EXHIBITION HYACINTHS

First Size Bulbs, for Glasses, Bowls, Pots, Etc.

INDOOR CULTURE

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a cool place, covering them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. Change water often.

NOTE.—Numbers preceding the names indicate the time of flowering: the 1's flowering together and are early, while the 4's are latest.

PARCEL POST—Price, each, includes postage. Mailing weight, dozen 3 lbs. Add postage as per rates on inside front cover.

Exhibition Hyacinths

MONSTER BULBS

We import these bulbs specially for those who wish to grow these extra fancy varieties either for Exhibition or other special purposes.

We have arranged this year with one of our Dutch growers to select the very finest and largest bulbs he has, not of any variety, but of special kinds of superior quality, that will give huge spikes in some of the choicest colors obtainable. They are all single flowered kinds in the following colors.

Red, Pink, White, Blush white, Light and Dark Blue, and Yellow.

Each variety will be carefully packed and named.

NOTE.—Plant in pots, ornamental bowls, or pans; or grow in water in Hyacinth glasses. Not suitable for outdoor cultivation.

Price, each 30c; per doz. \$3.00; per 100 \$21.00.

Vaughan's Hyacinths

For Beds, Borders, PORCH and WINDOW Boxes

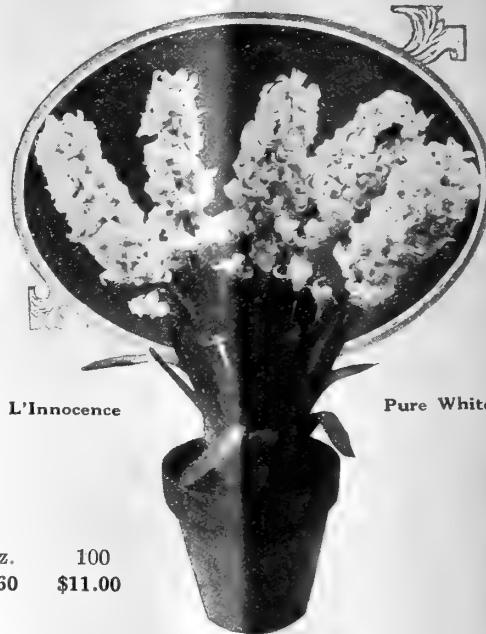
Named Bedding Hyacinths

GARDEN CULTURE.—Bulbs may be planted from September to December, in any good, well drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. The beds should be raised several inches above the surrounding ground, to prevent lodgments of water which causes bulbs to rot. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

PARCEL POST—Add postage for these at rate of 2 lbs. weight per dozen bulbs. Price each includes postage.

Single Red and Rose

Cardinal Wiseman, dark pink.....	}	Each	Doz.	100
Garibaldi, brilliant red, early.....		\$0.16	\$1.60	\$11.00
General de Wet, light pink.....				
Gertrude, rose pink, medium early; one of the best pot varieties.....				
Gigantea, light pink bells, compact spike; medium early.....				
Jacques, rose pink.....				
La Victoria, brilliant dark pink.....				
Lady Derby, delicate pink, early forcing.....				
Moreno, bright pink, broad spike, early.....				
Marconi, bright pink.....				
Queen of Pinks, choice pink.....				
Robert Steiger, deep crimson, medium early.....				
Roi des Belges, bright scarlet, early.....				



L'Innocence

Pure White

Each	Doz.	100
\$0.16	\$1.60	\$11.00

Gentlemen: I enclose Photo of a bouquet of Tulips. These were bulbs from your "Cover Collection" of Fall Catalog of last year, and were grown on a space about 7 x 20 ft. of a City Lot. Thought you might be interested in knowing what results some of your customers are obtaining from your products.

Yours,
7229 Bennett St., Pittsburgh, Pa.

ROBB McMILLAN.

Single Yellow

Buff Beauty, orange yellow.....	}	Each	Doz.	100
City of Haarlem, golden-yellow.....		\$0.16	\$1.60	\$11.00
King of the Yellows, extra medium early.....				
Yellow Hammer.....				

Single White

Albertine, pure white, early.....	}	Each	Doz.	100
Angenis Christina, pure white, early.....		\$0.16	\$1.60	\$11.00
General Vetter, blush white.....				
Grandeur a Merveille, blush late.....				
Hein Roozen, snow white.....				
La Grandesse, pure white, large bells, splendit spike.....				
L'Innocence, pure white, compact truss on short stem, fine for pots.....				
Madame Van der Hoop, large spike, late.....				
Queen Emma, waxy white.....				

"Fancy" un-named Hyacinths

THIS is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 17 centimeters in size, are plump and sound, selected from the best named varieties.

Blue, all shades.....	}	Mailing weight per dozen, 2 lbs.; price,		
Light Blue.....		Per Doz.	Per 100	Per 1000
Red and Rose.....		\$1.25	\$9.00	\$80.00
Rose.....				
Pure White.....				

We offer these fancy mixed bulbs in singles only, these being much more desirable.

"Medium" un-named Hyacinths

Separate Colors

Single or Double Varieties

GOOD size flowering bulbs 15 centimeters (5 1/4 in.) and upward, circumference, much larger than the Mixed Hyacinth bulbs usually sent out.

Blue, all shades.....	}	PARCEL POST—Add postage for these at rate of 2 lbs. per dozen bulbs.		
Light Blue.....		Per Doz.	Per 100	Per 1000
Red and Rose.....		\$1.00	\$7.50	\$70.00
Rose.....				
Pure White.....				

Please mention whether Single or Double varieties are desired.

White, all shades.....

Yellow.....

Mixed, All Colors.....

Dutch Roman or Miniature Hyacinths

(Also called Cynthellas)

SPLendid for growing in pots, pans or boxes. Bulbs being selected from named varieties are fully matured. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb, and are invaluable for forcing, being specially cultivated for this purpose. Five or six bulbs, planted in eight-inch pan, make a splendid show.

Single Red and Rose

Moreno, Pink.....

Captain Boynton, Clear rose.....

Gigantea, Blush pink.....

These are not recommended for outdoor planting.

Single White

Albertine, Pure white.....

La Grandesse, Snow white.....

L'Innocence, Purest white.....

Mme. Van der Hoop, Purest white, large.....

Mailing weight, per dozen, 2 lbs.

Single Blue

Grand Maitre, Deep porcelain.....

Queen of the Blues, Light blue.....



BELGIAN

Hyacinth Glasses

We offer two styles of these glasses for growing Hyacinths in water. Belgian, and Tye Shape. (See notes on page 2 regarding culture.)

PRICES

Belgian, Tall.....each, 45c; Doz., \$4.50

Tye Shape,.....each, 45c; Doz., \$4.75



TYE SHAPE

Miscellaneous Bulbs

For Autumn Planting

We have been obliged to drop many varieties of bulbs which we have offered in these columns in previous years because present U. S. Embargo No. 37 prevents importing. (Protest to your Congressman.)

The bulbs and roots here offered are chiefly American-grown.

Amaryllis

Place the bulbs in damp moss in a temperature of 60 degrees and allow the flower shoot to appear before potting. The best soil is tufty loam and rotted manure. Water sparingly at first but give moderate bottom heat and increase the water as leaves appear. If by Parcel Post add postage at Zone rates.

BELLADONNA MAJOR. Fall bloomer, very free and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high.

Each, 35c; per doz., \$3.50; 100, \$25.00.

(Mailing weight per doz., 6 lbs.; 2 bulbs, 2 lbs.)

VAUGHAN'S NEW HYBRIDS. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose entire stock we have purchased. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.

Large 3-Inch Bulbs. Each, 60c; per doz., \$6.00; 100, \$50.00,

Calla (Richardia)

White Calla Lily. (Aethiopica). A well known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on re-ript in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer. If by PARCEL POST, add postage at Zone Rates.

	Each	Doz.	100
First Size (1½-2½ inch); weight, dozen, 1 lb.....	\$0.15	\$1.50	\$10.00
Select Size (1½-2 inch); weight, dozen, 2 lbs.....	.30	3.00	20.00
Mammoth (2-2½ inch); weight, dozen, 3 lbs.....	.35	3.50	25.00
Jumbo (2½ inch and up); scarce; weight, dozen, 5 lbs... .50	4.25	42.50	30.00

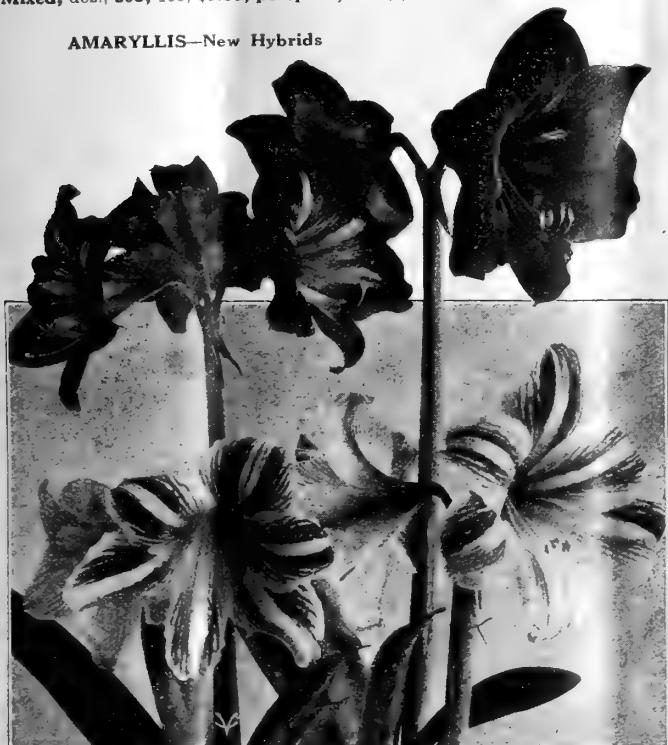
Yellow Calla. (Elliottiana). New and beautiful variety; same habit of growth as ordinary white Calla, flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size.....	.30	3.50	20.00
Select Size.....	.40	4.00	...
Mammoth.....	.50	5.00	...

Calochortus or Mariposa Tulip

These famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings. Mixed, doz., 50c; 100, \$3.50; postpaid; 1000, \$30.00.

AMARYLLIS—New Hybrids



CALLA LILY

Chinese Sacred Lily

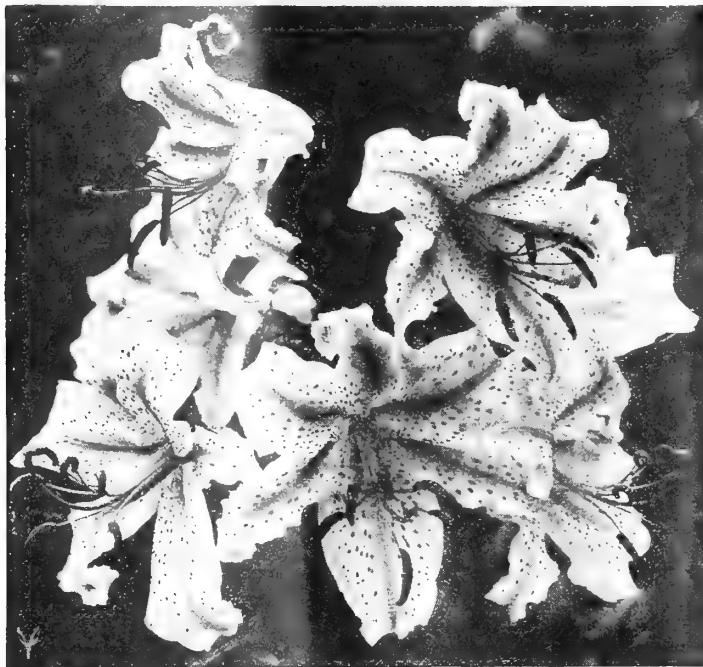
Also Called "Joss Flower"

A species of Polyanthus Narcissus introduced from China. The bulbs are large, measuring from 12 to 18 inches in circumference, and throw up from five to ten flower-spikes, bearing clusters of large, perfect, waxy white blossoms, with yellow center; of a most delicious fragrance. These may be grown in pots, but are most successful when cultivated in water the same as in China. A dozen bulbs planted at intervals in bowls with enough gravel to hold them upright will give a profusion of bloom during the winter months. In order to get best results it is advisable to cut two or three slits half an inch deep up and down the sides of the bulbs near the top; this enables the weak shoots to burst through the tough outer layer.

Select Bulbs. Each, 15c; per doz., \$1.50; 100, \$10.00.

Ranunculus (Buttercup)

NOTHING produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water. Prices include postage. Turban Mixed, doz., \$0.50; 100, \$3.50. Persian Mixed, doz., \$0.50; 100, \$3.50.



LILUM AURATUM

Lilium Longiflorum Giganteum—(Japanese Easter Lily) Best grown indoors

Best of all lilies for indoor pot culture; bulbs planted when received, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet-shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection), it is splendid for outdoor planting.

Each Doz. 100
Select Size (7 to 9 inches)..... \$0.30 \$3.00 \$20.00
Mammoth Size (9 to 10 inches)..... .50 5.00 35.00

Lilium Auratum

The Gold-banded Lily of Japan

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 inches), each, 30c; doz., \$3.00.

Mammoth (9 to 11 inches), each, 45c; doz., \$4.50.

Auratum Platypyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted but much larger, the petals more overlapping, and of greater substance. First Size (8 to 10 inches), each, 50c; doz., \$5.00.

Lilium Auratum Rubro-Vittatum

A beautiful distinct and imposing Lily of the Auratum type, producing flowers quite as large as the golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal a heavy band of crimson, accompanied by crimson spots on a pure white ground. First Size (8 to 10 inches), each, 50c; doz., \$5.00.

Lily of the Valley

For winter forcing. Very fragrant and producing in abundance. Plant about 25 pips in a 7-in. pot or pan, place in a warm temperature, 65° F. and shade from light until leaves and spikes are well developed then admit light gradually. Increase temperature to 75° or 80° if possible. An inverted pot over each potful answers admirably. This is the treatment for cold storage pips only. They bloom in from 18 to 21 days.

VAUGHAN'S PERFECTION PIPPS (Ready in November).

Cold Storage, Doz., \$1.50; 100, \$10.00. Fresh Pips Doz., \$1.00; 100, \$6.00.

Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, 75c postpaid

VAUGHAN'S

FOR color, fragrance beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Note.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival.

Lilium Harrisii and Candidum are ready now, **all others in November.**

Free pamphlet, "Naturalizing Lilies," ask for it with order.

Out door Culture.—When planting Lillies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stemrooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. (Continued top of page 17).

Lilium Candidum

(Madonna or Annunciation Lily). See Cut Opposite Page 17

This is one of the oldest, loveliest and best known Lilies. Can only be planted in fall, ours is the thick petalled type, imported by us from Northern France. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders, should, therefore, be mailed on receipt of this Catalogue.

	Each	Doz.	100
Select Size	\$0.25	\$2.50	\$18.00
Mammoth Size .....	.35	3.50	25.00

Vaughan's
Lily Bulbs
are grown by

Experienced
Dependable
Growers



Ballston Lake,
N. Y.

Received lily
bulbs today.
I never saw
such bulbs;
so big and so
sound.

Mrs.
E. B. Murray

EASTER
LILIES

We give away
a FREE
pamphlet on
"Naturalizing
Lilies"
with
each Lily order
when asked for

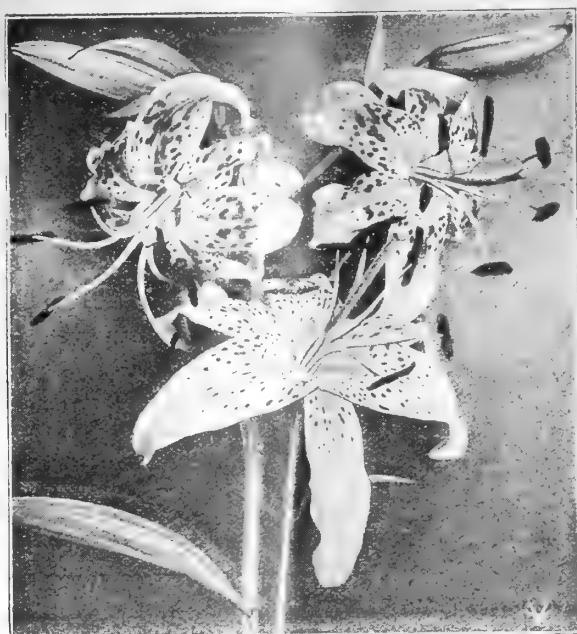
LILY BULBS

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep putting some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

April planting is advisable, if prevented planting the previous fall.

Indoor Culture. — Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is essential.** **Lily Bulbs by Parcel Post.** For postage Zone rates see inside front cover.

Size	3 Bulbs Weigh	Dozen. Weigh
8- 9 in.	1/2 lb.	4- 5 lbs.
9-11 in.	1 1/2-2 lbs.	6- 7 lbs.
11-13 in.	2-3 lbs.	9-10 lbs.



LILUM SPECIOSUM RUBRUM

Lilium Speciosum—Lance-leaved Lily

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum** and **Melpomene** types.

	Each	Per Doz.	Per 100
First Size (8-9 in.)	\$0.35	\$3.50	\$25.00
Mammoth (9-11 in.)	.45	4.50	35.00

Rubrum—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class. Each Per Doz. Per 100

First Size (8-9 in.) \$0.35 \$3.50 \$25.00

Mammoth (9-11 in.)45 4.50 35.00

Melpomene—White, spotted and splashed deep crimson.

First Size (8-9 in.)35 3.50 25.00

Mammoth (9-11 in.)45 4.50 35.00

Lilium Myriophyllum (New)

A New and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting. Each, 75c; per doz., \$8.00.

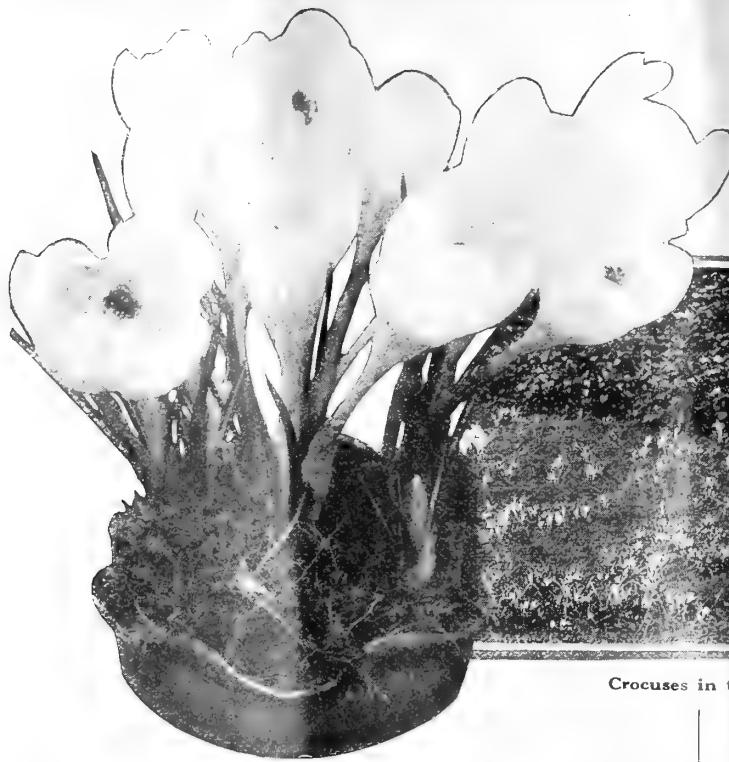
Various Hardy Lilies "Each" and "dozen" prices include postage

	Each	Doz.
Brownii. Immense handsome trumpet-shaped flowers, 8 to 10 inches long. Pure white inside, brownish fawn outside. Blooms in July.	\$0.60	\$6.50
Canadense. —(Meadow Lily.) Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows.....	.20	2.00
Candidum —See page 16.		
Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable.....	.50	5.00
Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown.....	.75	7.50
Elegans Mixed. A splendid assortment of this type.....	.20	2.00
Krameri. Delicate rose pink of elegant outline and graceful habit. Blooms in July.....	.35	3.50
Pardalinum —(Leopard Lily). Rich scarlet and yellow, spotted rich brown.....	.20	2.00
Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple.....	.20	2.00
Tigrinum Splendens. Very hardy native Lily; orange, spotted purple.....	.20	2.00
Tigrinum Flore Pleno —(Double Tiger Lily). The well known double Tiger Lily. Rich orange blossoms, 4 foot.....	.20	2.00
Tigrinum Fortunei —(Improved Tiger Lily). Bulbs will produce more flowers than the ordinary variety.....	.30	3.00
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot.....	.25	\$3.25



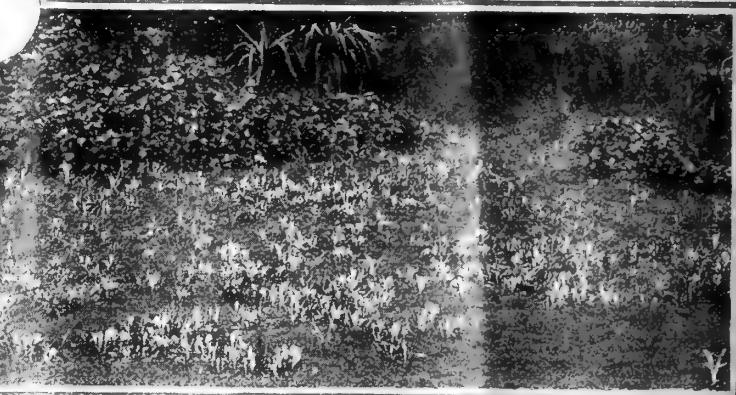
THE MADONNA LILY
LILUM CANDIDUM

We supply 6 bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.



VAUGHAN'S CROCUS

SPRING FLOWERING VARIETIES



Crocuses in the Lawn Peep Up Through the Last Snows of the Winter

ONE of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or where three or four rows are arranged in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot. This give a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. They will not flower if exposed to heat, nor must severe forcing be attempted. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

Dozen price includes postage. 100 bulbs weigh 3 lbs.

Albion, blue, striped white.

La Majesteuse, white, violet stripe.

Baron von Bruno, dark blue.

Madam Mina, white striped.

David Rizzio, deep purple.

Sir Walter Scott, white, blue stripe.

Dandy, blue.

Mammoth White.

Non Plus Ultra, blue, bordered white.

Cloth of Gold, yellow and brown.

Othello, dark purple.

Cloth of Silver, white and lilac.

Mont Blanc, pure white.

Price of above, per doz., 60c; 100, \$3.50; 1000, \$30.00.

Doz. 100 1000

Select Yellow..... \$0.60 \$3.50 \$30.00

Doz. 100 1000

Mammoth Yellow..... .75 4.00 35.00

SPECIAL OFFER 18 "W": 10 each of 10 varieties of above. (100 bulbs)
Our Selection, postpaid, for \$3.25.

Vaughan's "Pride of Holland" Strain

THIS is a special large flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture, the size of the blooms being very noticeable. We offer five colors. Please mention "Pride of Holland" strain when ordering.

Sir Walter Scott, white, blue striped.

David Rizzio.

Queen Victoria, pure white.

King of Blues, fine blue.

Mammoth Yellow.

Price, per doz., 80c; 100, \$5.00; 1000, \$45.00.

Crocus—Vaughan's Special Mixture

WE make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoor in lawns, along borders or amongst shrubbery this mixture cannot be excelled.

Doz., 50c; 100, \$3.00; 1000, \$25.00.

Unnamed Crocus, Separate Shades

THESE bulbs are of good size and will produce large flowers and are excellent for grass planting and borders.

White.....

Blue and Purple.....

Striped and Variegated.....

Yellow, large.....

Doz. 100 1000

\$0.45 \$2.50 \$20.00

Vaughan's Giant Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. Plant early to secure good roots. **Dozen and 100 prices include postage.**

VAUGHAN'S PURITY. Flowers are of a magnificent snowy white, of very large size and great fragrance. One bulb will throw three to five flower-heads each of which will have from eight to nine buds of the finest type.

	Doz.	100	1000
Select Bulbs.....	\$0.45	\$2.50	\$20.00
Small Bulbs.....	.30	1.50	12.00

New French Freesias in Colors

LOVELY and unique colorings—bronze, lilac, yellow, etc., and shadings; very delicate fragrance. Each principal spike usually carries 7 to 9 flowers—while the side spikes usually bear 5 to 6 flowers. The culture is the same as above.

General Pershing. Extra robust grower, 3 feet in height, with 4 to 5 long side laterals, large open flowers of lavender pink, yellow lip and somewhat of a bronze cast.

The cut flowers have created quite a sensation on the Chicago market for several seasons and command the highest market prices.

	100	1000
\$6.00	\$50.00	

Viola. Like a large wood violet, the lower petals of a deeper violet blue, a beautiful distinct and valuable hybrid. The growth is about 30 inches in height with 4 to 5 long side lateral, long enough for any floral work.

	6.00	50.00

Unnamed Separate Colors...... 6.00 50.00
Mixed Colors...... 5.00 45.00

Price, per dozen, any color, 75¢

FOR POTS OR BOWLS

All collections our selection of Varieties

(A) HYACINTHS, Extra	{ 12 bulbs; 4 kinds; 3 of each, separate,	\$3.00
	Double quantities, \$5.75	
(B) HYACINTHS, Standard	{ 12 bulbs; 4 kinds; 3 of each, separate,	2.25
	Double quantities, \$4.25	
(C) HYACINTHS, "Miniaturess"	{ 12 bulbs; 4 colors; 3 of each, separate,	.75
	Double quantities, \$1.30	
(D) NARCISSUS, Large Trumpets	{ 6 varieties; 3 of each; separate, 18 bulbs	2.00
	Double quantities, \$3.75	
(E) NARCISSUS, Medium and Small Trumpets	{ 6 varieties; 3 of each; separate, 18 bulbs, Double quantities, \$2.30.	1.25
(F) TULIPS, (Early Single)	{ 6 kinds; 3 of each; separate, 18 bulbs, Double quantities, \$2.30.	1.25
(G) TULIPS, (Early Double)	{ 6 kinds; 3 of each; separate, 18 bulbs, Double quantities, \$2.75.	1.40
(H) TULIPS (Darwin)	{ 6 varieties; 3 of each; separate, 18 bulbs, Double quantities, \$1.90.	1.00
(J) CROCUS	{ 6 varieties; 6 of each; 36 bulbs.....	1.20
	Half the quantity for 65¢.	

FOR GROWING IN BOWLS OF GRAVEL AND WATER

12 Hyacinths, Single, 3 Colors, for Glasses, \$2.25.

(K) PAPER WHITE NARCISSUS. 12 large bulbs, 50c.

(M) POLYANTHUS NARCISSUS { 4 kinds; 3 of each; separate, 12 bulbs, \$1.00.

(N) CHINESE NARCISSUS. Each, 25c; dozen, \$2.50.

VAUGHAN'S PREPARED FIBRE

For growing Bulbs in Bowls without drainage.

Per qt., 10c; 3 qts., 25c; per peck, 60c; per bushel, \$1.75.



CROTON



CALADIUM

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. A. or Canada when sent by express. If forwarded in any other manner they are entirely at the risk of the purchaser.

Decorative Plants FOR HOUSE AND CONSERVATORY

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from \$2.00; \$3.00, \$5.00 and up to \$30.00 in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, when ordered at the "each" price, will be sent by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompanied by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on inside of front cover. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.



DRACAENA MASSANGEANA



DRACAENA TERMINALIS

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

ASPARAGUS Plumosus (Lace Fern). Fine for table decoration. 2½ inch each 20c; doz. \$2.00; 4 inch each 35c; doz. \$3.60.

Sprengeri. Suitable for hanging baskets and porch boxes. 2½ in. pots. Each 20c; doz. \$2.00. 4 in. pots. Each 35c; doz. \$3.60.

ASPIDISTRA (Iron Plant). Is the easiest of all decorative plants to grow well. Give it a good loamy soil and plenty of water and it will grow for anyone. Green leaved. 10x12 in., wide tubs \$10.00 to \$15.00 each.

CALADIUMS, Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs, ready in January, each 40 cents; doz. \$4.20, postpaid.

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors. 75c; \$1.00; \$1.50; \$2.50; \$4.00 and \$5.00 each.

CROTONS. The richest of all variegated plants, fine for indoor culture. Plants, each 50 cents; specimens, each \$1.00, \$1.50, \$2.00 (by express).

CYCAS (Sago Palm). Plants in leaf, \$1.00 to \$2.00.

CYCLAMEN. Dark Crimson, Dark Rose, White and Pink. 4 inch pots. Each 50c to 75c; 5 inch pots, each \$1.00 to \$1.50; 6 inch pots, each \$2.00 to \$3.00.

DEIFFENBACHIA Magnifica (Shining Comb.) Green foliage, variegated with white. Each, 50c to \$1.00.

DRACAENA AMABILIS. Foliage bright glossy green. Marked and suffused with pink and creamy white. Plants, each, 75c to \$1.50.

Fragrans. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. Each, 75c.

Kelliana. Small oval leaves, glossy green, thickly spotted with yellow. Very showy. Plants, each 75c and \$1.00.

Massangeana. A beautiful variegated form of Fragrans with broad green foliage, broad golden yellow band through the center of each leaf. Each, \$1.00 to \$1.50.

Terminalis. Rich crimson foliage, marked with pink and white. Each, 50c to \$1.00.

FERNS, Boston. Long, gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. 25 cents each; 3 for 65 cents, postpaid. Larger plants, 50 cents, 85 cents, \$1.75. Specimens, \$3.00 to \$6.00. All by express.

FICUS Elastica (Rubber Tree). Well-known reliable plant for rooms and halls. Strong plants, \$1.00 to \$1.50 each, by express.

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, each 20 cents; 3 for 50 cents postpaid. Larger plants, each 35 cents. (Express.)

LEMON VERBENA. Indispensable for the delightful fragrance of its leaves. Each, 25c; doz. \$2.50.

MACAWI (New). A dwarf compact grower with very deep green fronds. It makes symmetrical, handsome plants in either large or small size. Each, 30c; 3 for 85c, postpaid. Larger plants, 75 cents, \$1.25 and \$2.00 by express.

NEPHROLEPIS Whitmani (Ostrich Plume Fern). Finely divided fronds, resembling a plume. 25 cents each; 3 for 65 cents, postpaid. Larger plants, 50c, 85c and \$1.75 by express.

PALM ARECA LUTESCENS. One of the most graceful and beautiful Palms in cultivation; the foliage is of bright glossy green with rich golden-yellow stems. Bushy plants, 24 to 30 inches high. Each, \$3.00 by express.

PANDANUS Veitchii. Variegated green and white. \$1.00 and \$2.00 each. (Exp.)

PEPPER BIRDSEYE. A compact growing variety covered with small red berries in Fall. 4 inch plants, each, 50c; 5 inch, 75c.

POINSETTIA PULCHERRIMA. The well known Christmas plant; forming scarlet brace from 6 to 12 inches across. Small plants, each 20c; 3 for 50c, postpaid. Larger, bushy plants, 5 inch, \$1.25; 6 inch, \$1.75; 7 inch, \$2.50.

PRIMULA Obconica. No other winter flowering plant can approach this beautiful Primula. The colors are perfectly clear and of great brilliancy pure white, enchantress-pink, clear rose and brilliant carmine. 2 ½ in. pots. Each, 20c; doz., \$2.00. 4 in. pots. Each, 40c; doz., \$4.20.

SANSEVIERIA Zeylanica. An elegant variegated plant especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity. Each, 35c to 75c.

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. Each, 25c and 35c.

SOLANUM CLEVELANDI. This is a useful pot plant for winter decoration. It is of dwarf branching habit, leaves small and oval shaped; bearing bright scarlet berries. 4 inch plants, each, 60c; 5 inch, 85c.

TRADESCANIA Tricolor. (Wandering Jew). Most beautifully variegated purple, scarlet and white. Each, 15c; doz., \$1.50.



BOSTON FERN

Topeka, Kansas:—The ferns you shipped me are the best I ever saw; better than I expected.

Edward G. Bass.

Hardy Perennial Plants



Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

No. 21—Hardy Plants	25	first class plants in variety for	\$ 4.00
No. 22—	"	50 "	6 50
No. 23—	"	100 "	12 00
No. 24—	"	250 "	25 00
No. 25—	"	500 "	45 00
No. 26—	"	1000 "	85 00

Plants and Bulbs for Spring Effect

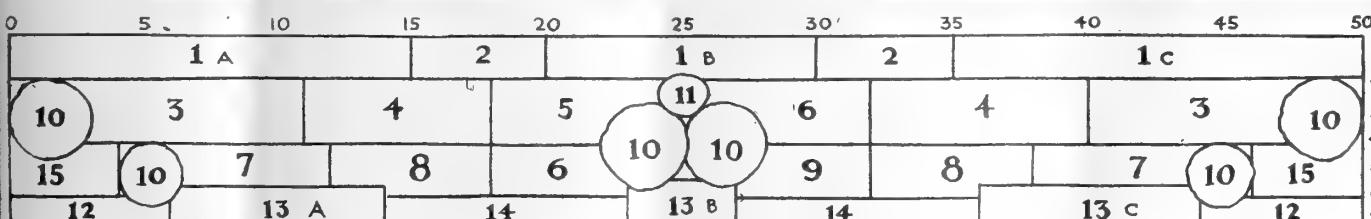
All the varieties of plants marked thus \$ in the following lists are especially desirable for **planting in the fall** with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	3 for	Doz.	100	Use, Soil, Position, Etc.
ACHILLEA	Milfoil. Yarrow.							
Eupatorium, Parker's Variety		June-Aug.	Yellow	4-5 ft.	\$.85	\$3.00	\$15.00	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.
The Pearl		June-Aug.	White	2 ft.	.85	3.00	15.00	Perry's White is a new variety and is the best of its class.
ACONITUM	Mandrake							
Spark's Variety		Sept-Oct.	Dark Blue	5 ft.	1.00	3.60	.....	Erect growing plants, with palmately divided foliage, good for under trees or shady places, where they thrive best. The roots are poisonous. Spark's variety is a rare plant and darkest of all.
ALYSSUM	Madwort							
Saxatile Compactum	Gold Dust	May-June	Golden Yellow	1 ft.	.85	3.00	15.00	Showy spring-flowering plants. Valuable for front row in border or rock garden.
ANTHEMIS	Marguerite							
Kelwayi		May-July	Yellow	1 ft.	.85	3.00	15.00	These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.
AQUILEGIA	Columbine.							
Chrysanthia		June-Aug.	Golden Yellow	3 ft.	.85	3.00	15.00	The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting.
Chrysanthia Alba		June-Aug.	Pure White	3 ft.	.85	3.00	15.00	
Coerulea		June-Aug.	True Blue	1 ft.	1.00	3.60	18.00	
Vaughan's Long Spurred Mixed		June-Aug.	Mixed	1½ to 2 ft.	1.00	3.60	18.00	
ARMERIA	Thrift, Sea Pink							
Laucheania		May	Rose	6 in.	.85	3.00	15.00	A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
ASTER (Hardy)								
Novae Belgae Climax		Oct-Nov.	Lavender Blue	.5 ft.	1.00	3.60	.....
Mrs. J. F. Raynor		Oct-Nov.	Vivid Crimson	.5 ft.	1.25	4.00	.....
St. Egwin		Oct-Nov.	Pink	2½-3 ft.	.85	3.00	.....	A useful class of plants either for the perennial border or the shrubbery. This variety is especially desirable, producing long, graceful panicles of creamy white flowers.

Darwin Tulips planted among Perennial Plants make a gorgeous display in May

Botanical Name	Common Name	Flowering Period	Color	Height	3 for	Doz.	100	Use, Soil, Position, Etc.
BOLTONIA	False Camomile	July-Oct.	White	4 ft.	\$0.85	\$3.00	....	This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.
<i>Asteroides</i>								
BUDDELEYA	Butterfly Bush or Summer Lilac	July-Aug.	Mauve	3 ft.	1.00	3.60	\$18.00	A small shrub bearing exquisite tapering spikes of lilac matue flowers; requires same protection as roses during winter. Plant in Spring.
<i>Variabilis</i>	<i>Veitchiana</i>							
CAMPANULA	Bell Flower							A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more.
<i>Carpatica</i>	Harebell	June-Aug.	Blue	1 ft.	.85	3.00	15.00	
<i>Alba</i>		June-Aug.	White	1 ft.	.85	3.00	15.00	
<i>Calycanthema</i> , White, Cup and Saucer		June-Aug.	White	1 ft.	.85	3.00	15.00	
<i>Pink</i>		June-Aug.	Pink	1 ft.	.85	3.00	15.00	
<i>Blue</i>		June-Aug.	Blue	1 ft.	.85	3.00	15.00	
Medium, White , Canterbury Bell		June-Aug.	White	1 ft.	.85	3.00	15.00	
"	Pink, Canterbury Bell	June-Aug.	Pink	1 ft.	.85	3.00	15.00	
"	Blue, Canterbury Bell	June-Aug.	Blue	1 ft.	.85	3.00	15.00	
Pyramidalis	Chimney Bellflower	Sept.	Blue and White	4-6 ft.	.85	3.00	15.00	
<i>Trachelium Coeruleum</i>		July-Aug.	White	2-3 ft.	.85	3.00	....
CARNATION	Hardy Carnation							After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double red and white flowers, produced in succession all summer. Make excellent beds and are valuable cut flowers.
<i>Grenadin, Red</i>		June-Sept.			.85	3.00	15.00	
<i>White</i>					.85	3.00	15.00	
CHELONE	<i>Barbatus</i> Torreyi	July-Aug.	Coral Red		.85	3.00	15.00	Long coral redspike like a penstetemom.
CHIVES					.60	2.00	10.00	Used for culinary purposes.
CHRYSANTHEMUM	Hardy Daisy							Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary fine flower.
<i>Maximum</i> (Type)	Shasta Daisy	June-July	White	2 ft.	.85	3.00	15.00	
<i>King Edward VII</i>		June-July	White	3 ft.	.85	3.00	15.00	
COREOPSIS	Tickseed							One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form.
<i>Lanceolata</i>		May-Oct.	Yellow	2 ft.	.85	3.00	15.00	
<i>Daisy Shasta</i>		June-July	White	2 ft.	.85	3.00	15.00	
DELphinium	Perennial Larkspur							Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers.
<i>Belladonna</i>	Sky Blue	June-Aug.		3 ft.	1.00	3.60	18.00	
<i>Chinense</i>	Chinese	June-Aug.	Light Blue	3 ft.	.85	3.00	15.00	
<i>Album</i>		June-Aug.	White	3 ft.	.85	3.00	15.00	
<i>Formosum</i>		July-Sept.	Blue with White Eye	4 ft.	.85	3.00	15.00	
<i>Lamartine</i>		July-Aug.	Dark Blue	3 ft.	1.00	3.60	....
Gold Medal Hybrids	This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo-blue				1.00	3.60	18.00	
DIANTHUS	Hardy Garden Pink							These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.
<i>Abbottsford</i>		May-Oct.	Pink	15 in.	.85	3.00	15.00	
<i>Deltoides</i>		May-Aug.	Rose	15 in.	.85	3.00	15.00	
<i>Plumarius</i>	Clove pinks	May-Aug.	Mixed	15 in.	.85	3.00	15.00	
<i>Lilac Queen</i>	Vaughan's Special Mixture	May-Oct.	Mauve	12 in.	.85	3.00	15.00	
DIANTHUS BARBATUS.	See Sweet-William.							
DICTAMNUS	Gas Plant							
<i>Fraxinella</i>		June-July	Pink	3 ft.	1.00	3.60	....	An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.
<i>Alba</i>		June-July	White	3 ft.	1.00	3.60	....
ECHINOPS RITRO	Globe Thistle				1.00	3.60	18.00	A very effective plant, which does well mixed in with shrubs. Fine cut-flower.

A PERENNIAL BORDER



IT IS the charm of a perennial planting that its occupants become old friends. Once established, the flowers remain as long as they are wanted and year after year we greet them at the same time and in the same place.

Yet such a border is ever changing. Each flower has its season, when it buds, blossoms, and finally exhausts its glory and retires for a long rest.

Because of the variation in blooming season and the wide range of colors, the arrangement of a perennial border is in itself an art. By skillful planning, the border may be made to present from May until October a continuous show of blossoms, of colors that harmonize. The plants which may be used vary not only in color but in size. For the planning of a perennial border which will provide a succession of bloom and correct color of harmony, an exact knowledge of the plants to be used is required. And for the experienced gardener such arranging and rearranging affords keen pleasure.

For the beginner, who desires to acquire familiarity with the material before venturing upon an original plan, we offer a collection and planting plan.

This plan is intended for an area, 7 x 50 feet, on the border of the garden, in front of shrubbery or in other suitable location. In a smaller space exactly half of it may be used, requiring 7 x 25 feet. An explanation of the plan, in which the kind and number of plants to be used in each numbered location on the plan is here given:

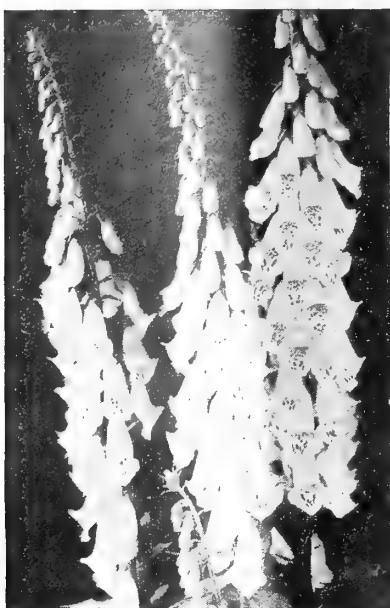
The collection of 264 plants for space 7 x 50 feet sent to purchaser by express, not prepaid, for \$50.00; prepaid, \$58.00.

Half the collection, 132 plants, for space 7 x 25 feet sent to purchaser by express, not prepaid, for \$26.50; prepaid, \$30.00.

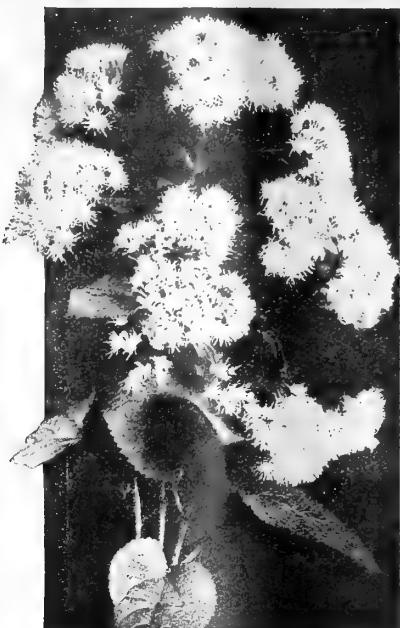
KEY TO PERENNIAL BORDER PLAN, 7 x 50 FEET

Location No.	Plants to Be Used	No. of Plants
1	HELIANTHUS, Miss Mellish	48 { A—18 Plants B—12 Plants C—18 Plants
2	BOLTONIA, Asteroides	6
3	SALVIA Pitcheri	18
4	LARKSPUR, Hardy Mixed	18
5	HIBISCUS, Mixed Mallow Marvels	3
6	COREOPSIS, Lanceolata	12
7	PHLOX, Mixed	18
8	LILIUM CANDIDUM	24
9	CAMPANULA, Medium Mixed	12
10	PEONIES, Selection of	6
11	PRIMULA, Evening Primrose	3
12	SWEET WILLIAM, Mixed	24
13	IRIS, Special Mixed	24 { A—10 Plants B—4 Plants C—10 Plants
14	HARDY PINKS, Special Mixed	24
15	TULIPS, Darwins, Selection	24

The Cottage Tulips are Excellent for the Perennial Border; All are Perfectly Hardy.



DIGITALIS—(Foxglove)



EUPATORIUM ACERATOIDES

Our collections of Peonies and Hardy Irises comprise the finest varieties in commerce. Plant these in September for best results.



PLATYCODON

Botanical Name	Common Name	Flowering Period	Color	Height	3 for	Dz.	100	
ERIGERON								
<i>Amos Perry</i>	Flea Bane	June-Oct.	Lavender Blue	1 ft.	\$1.25	\$4.00	....
ERYNGIUM	Sea Holly							
<i>Amethystinum</i>		July-Sept.	Steel Blue	2 to 3 ft.	.85	3.00	\$15.00	Use, Soil, Position, Etc.
<i>Planum</i>		July-Sept.	Pale Blue	3 ft.	.85	3.00	15.00	Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting. Amos Perry, is a new and much improved variety.
EUPATORIUM	Thorough Wort							
<i>Coelestinum</i>		Sept.-Oct.	Light Blue	2 ft.	.85	3.00	15.00	These are exceedingly pretty both in flower and foliage and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration when dried.
FUNKIA	Day Lily							
<i>Lanceolata</i>		August	Dark Blue	1 ft.	.85	3.00	15.00	Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
<i>Thomas Hogg</i>		Aug.-Sept.	Rosy Purple	1 1/2 ft.	1.00	3.60	18.00	
<i>Variegata</i>					1.00	3.60	18.00	
GAILLARDIA	Blanket Flower							
<i>Grandiflora Mixed</i>		June-Oct.	Mixed	1 1/2 ft.	.85	3.00	15.00	Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best.
GYPSOPHILA								
<i>Paniculata</i>	Baby's Breath	July-Aug.	White	1 1/2 ft.	.85	3.00	15.00	Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer.
HELIANTHUS	Hardy Sunflower							
<i>Miss Mellish</i>		Sept.-Oct.	Golden Yellow	6 ft.	.85	3.00	15.00	Large graceful sprays of double white flowers; splendid for cutting.
<i>Multiflorus Plenus</i>	Dahlia Sunflower	Aug.-Sept.	Double Yellow	5 ft.	.85	3.00	15.00	Hardy, perennial Sunflowers flourish splendidly in any garden city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.
HELIOPSIS								
<i>Gratissima</i>		June-Aug.	Double Yellow	2 1/2 ft.	.85	3.00	15.00	A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut-flower.
HEMEROCALLIS	Yellow Day Lily							
<i>Citrina</i>		June-July	Pale Citron Yellow	2 ft.	.85	3.00	...	
<i>Flava</i>		July-Aug.	Yellow	3 ft.	.65	2.00	12.00	The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.
<i>Thunbergi</i>		July	Golden Yellow	4 ft.	.85	3.00	...	
<i>Kwanso, fl. pl.</i>		June-July	Coppery Red Double	3 ft.	.65	2.00	12.00	
<i>Dr. Regel</i>		June-July	Apricot, late	2 1/2 ft.	.85	3.00	...	
<i>Sovereign</i>		June-July	Chrome-Yellow	3 ft.	.85	3.00	...	
HEUCHERA	Alum Root							
<i>Brizoides Gracillima</i>		May-June	Rosy Carmine	2 ft.	1.00	3.60	...	
<i>Nancy Perry</i>					1.00	3.60	...	
HYPERICUM	St John's Wort							
<i>Moserianum</i>		July-Sept.	Golden Yellow	3 ft.	1.00	3.60	20.00	They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carnation flowers make them invaluable for cutting.
LAVENDULA								
<i>Vera</i>	True Lavender	June-Aug.	Blue	2 ft.	.85	3.00	15.00	A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups. A most desirable plant for sunny situations.
<i>Linum Perenne</i>			Blue		.85	3.00	15.00	
<i>Linum Perenne</i>			White		.85	3.00	15.00	
LYCHNIS	Campion							
<i>Arkwrighti</i>		June-Sept.	Scarlet		1.00	3.60	...	
<i>Chalcedonica</i>		June-Sept.	Orange Scarlet	2-3 ft.	.85	3.00	15.00	Delightfully fragrant flowers, much used when dry on account of their sweet odor.
<i>Viscaria Splendens Plena</i>					1.00	3.60	...	

Weights of plants to go by Parcel Post are given on page 20.

VAUGHAN'S HARDY IRISES

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level. If planted in the Fall, Iris of this class will become established sufficiently to blossom next year.

PLANTS BY PARCEL POST—If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. Doz., \$4.00; each, 40c. **Black Prince (Kochi Atro-purpurea).** "S" Purple lilac; "F" velvety black. A very striking dark flower. Per 100, \$12.00; doz., \$2.40; each, 25c.

Candelabre. "S" Mauve and purple, with spotted effect on inside; "F" Violet, with white and black veins, unique candelabra-like form and rich coloring. Doz., \$2.40; each, 25c; per 100, \$12.00.

Caprice. "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises.

Per 100, \$14.00; doz., \$3.00; each, 30c.

Celeste. Fine satiny blue. One of the most beautiful of hardy Irises.

Per 100, \$15.00; doz., \$3.00; each, 30c.

Cherubin. "S" Pale lilac; "F" Pale lilac, veined purple. Per 100, \$24.00; Doz., \$4.00; each, 40c.

Clio. White "S" clear blue "F". Doz., \$3.50; each, 35c.

Dalmarius. A cross between Dalmatica and Darius "S" Pale grey-blue; "F" darker, shaded violet-brown; very distinct. Doz., \$3.00; each, 30c.

Darius. "S" Primrose yellow; "F" Lilac and primrose. Per 100, \$10.00; doz., \$2.40; each, 25c.

Dorothea. An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veining. Very fine. Per 100, \$10.00; doz., \$2.40; each, 25c.

Dr. Bernice. "S" Coppery bronze; "F" Velvety crimson. Very handsome. Per 100, \$10.00; doz., \$2.40; each, 25c.

Eldorado. "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. A unique and brilliant color combination; grows 32 inches high. Per 100, \$16.00; doz., \$2.40; each, 25c.

Fairy. Beautiful white with blue border and veining. One of the indispensables.

Per 100, \$15.00; doz., \$3.00; each, 30c.

Florentina Alba. Large pure white fragrant flowers. Doz., \$2.40; each, 25c.

Frerin. "S" and "F" pale canary yellow, merging to cream at base. Doz., \$2.40; each, 25c.

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow.

Per 100, \$10.00; doz., \$2.00; each, 20c.

Gertrude. Deep violet blue; very fragrant. Per 100, \$10.00; doz., \$2.40; each, 25c.

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Per 100, \$30.00; doz., \$5.00; each, 50c.

Jeanne d'Arc. Flowers large, petals broad, of a fresh clear lilac. "S" Ruffled, spreading in manner of Japanese Iris; "F" Pure white, bordered lilac. 3 ft. Per 100, \$15.00; doz., \$3.00; each, 30c.

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. Per 100, \$15.00; doz., \$3.00; each, 30c.

King of Iris. "S" Lemon yellow; "F" Rich crimson bordered with gold; very tall with large flowers. Doz., \$6.00; each, 60c.

L'Avenir. A beautiful shade of satin blue. Per 100, \$15.00; doz., \$3.00; each, 30c.

Lohengrin. Large handsome silvery-mauve flowers. Per 100, \$15.00; doz., \$3.00; each, 30c.

Lord Seymour. Very much like Mme. Chereau, but "S" are a more delicate pale lavender.

Doz., \$3.60; each, 35c.

Loreley. "S" Light yellow; "F" Ultramarine blue, bordered cream. Style arms deeper yellow; grows 30 inches. Per 100, \$10.00; doz., \$2.40; each, 25c.

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Doz., \$2.40; each, 25c.

Mme. Pacquette. Bright rosy claret, early and beautiful. Sweet scented. Doz., \$3.00; each, 30c.

Maori King. "S" Golden yellow; "F" Velvety maroon margined gold. Per 100, \$12.00; doz., \$2.40; each, 25c.

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white penculings at throat. Per 100, \$24.00; doz., \$4.00; each, 40c.

Mrs. H. Darwin. "S" Clear waxy white; "F" White, violet veins. Per 100, \$10.00; doz., \$2.40; each, 25c.

Nelly. "S" Blue; "F" clear white with blue veining and blotches. Per 100, \$10.00; doz., \$2.40; each, 25c.

Oriflamme. "S" light blue; "F" violet purple; extra fine large flower. Doz., \$10.00; each \$1.00.

Pallida Dalmatica. One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very fine flowering. Exquisite shade of lavender-blue. Per 100, \$15.00; doz., \$3.00; each, 30c.

Pallida Mandraliscae. Rich lavender-purple, large and handsome. Per 100, \$10.00; doz., \$2.40; each, 25c.

Prosper Laugier. Deep velvety crimson, with deeply veined throat. "F" very broad, deep, ruby-purple, richly veined in throat. Per 100, \$20.00; doz., \$3.60; each, 35c.

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade. Per 100, \$10.00; doz., \$2.40; each, 25c.

GIANT IRIS COLLECTIONS

One each of the following 10 varieties: Black Prince (Kochi), Caprice, Isolene, Lohengrin, Monsignor, Oriflamme, Pallida Dalmatica, Stormcloud, Tamerlane and Twilight. Everyone of marvellous beauty with largest flowers, the petals measuring 2 inches and over across, regular price \$4.45. (Exp.) denotes to be sent by express, purchaser paying Express charges.



Pres. Thiers. "S" Lavender blue; "F" Deeper blue, white penculings. Doz., \$2.40; each, 25c.

Queen Alexandra. "S" and "F" Bronzy-mauve. Very fine free-blooming variety. Doz., \$3.60; each, 35c.

Queen of May. "S" Lilac pink; "F" Lilac, blended with white; distinct. Per 100, \$12.00; doz., \$2.40; each, 25c.

Rhein Nixe. "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Beautiful in massed effects. Per 100, \$15.00; doz., \$3.00; each, 30c.

Stormcloud (Nuee d'Orage). (New.) Very large flowers of grayish slate-blue. with bronze shading. "F" Purplish blue, very fine. Per 100, \$30.00; doz., \$5.00; each, 50c.

Tamerlane. "S" Pale violet; "F" deep purple. Magnificent, tall, bold. Per 100, \$30.00; doz., \$5.00; each, 50c.

Twilight (Crepuscule). "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. Per 100, \$25.00; doz., \$4.00; each, 40c.

HARDY IRIS SPECIAL MIXTURE. Doz., \$1.25 (postpaid); (by express) per 100, \$6.00; per 1000, \$50.00. (Exp.) (25 at 100 rate, 250 at 1000 rate.)

GOOD MIXTURE. For large plantings and naturalizing, splendid value. Per 100, \$3.00; per 1000, \$24.00 (exp.)

\$3.50
POST PAID



GAILLARDIA



HELIANTHUS—Double



HEMEROCALLIS (Yellow Day Lily)

HARDY IRIS—Continued

Interregna. Creamy white; large flowers of good substance. Each, 20c; doz., \$2.00.

Iris Sibirica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. Each, 25c; doz., \$2.00; 100, \$12.00.

Superba. Brilliant blue. Each, 30c; doz., \$3.00.

Iris Pseudacorus

THIS is the common yellow Water Flag Iris. Splendid for naturalizing near ponds and streams. Each, 15c; doz., \$1.40.

Iris Pumila Hybrida

DWARF variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. Each, 20c; doz., \$2.00; per 100, \$10.00.

Schnee Kuppe (Snow Cup). A fine new large flowering white variety. "F" slightly reticulated yellow at the base. Each, 35c; doz., \$3.60.

Botanical Name	Common Name	Flowering Period	Color	Height	3 for	Doz.	100
MERTENSIA Virginica	Blue Bells or Virginia Cowslip	May-June	Light Blue	18 in.	\$0.85	\$3.00	\$15.00
MINT	Old Fashioned			18 in.	.55	1.50	10.00

MONARDA Didyma	Bergamot, Oswego Tea or Bee Balm	June-Sept	Brilliant Scarlet	3 ft.	1.00	3.60	13.00
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NEPETA Mussini		May-Sept	Light Blue	1 ft.	.85	3.00	15.00
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PACHYSANDRA Terminalis		May	White	4-6 in.	.85	3.00
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PAPAVER Nudicaule	(Iceland Poppy)	June to Sept.	Orange	15 in.	.85	3.00	15.00
"	"	"	White	"	.85	3.00	15.00
"	"	"	Yellow	"	.85	3.00	15.00
"	"	"	Royal Scarlet	"	1.00	3.60	18.00

PHYSOSTEGIA Grandiflora	False Dragon Head	June-Sept.	Pink	3 ft.	1.25	4.00	....
Virginia		June-Sept.	Soft Pink	3-4 ft.	.85	3.00	15.00
Alba		June-Sept.	Pure White	2 ft.	.85	3.00	15.00

PRIMULA Veris Grandiflora		June-July	Mixed	10 in.	.85	3.00	15.00
Rheingold		June-July	Orange and Red	10 in.	.85	3.00	15.00

Victory Collection

MME. PACQUETTE, CELESTE,

MRS. H. DARWIN

Red, White and Blue All Prepaid

One of each, 65c Three of each, \$1.50 Six of each, \$2.50

"Bargain" Collections (Our Selection)

One each, 6 varieties (6 plants) \$0.65

Two each, 9 varieties (18 plants) 1.60

Three each, 12 varieties (36 plants) 2.75

ALL PREPAID

Use, Soil, Position, Etc.

A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.

An old favorite, will grow anywhere.

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.

Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.

Elegant free flowering plants bearing flowers in abundance all summer.

Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.

These Hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

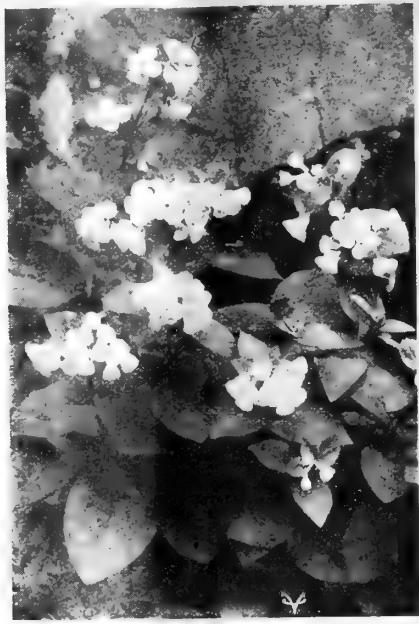
Hardy Perennials are the most satisfactory of all Flowers because of their permanent character and natural beauty.



PHYSOSTEGIA VIRGINICA



LOBELIA CARDINALIS



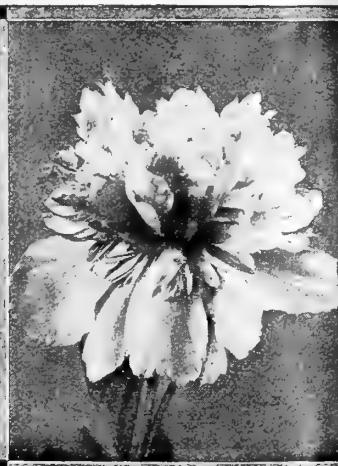
MERTENSIA VIRGINICA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	3 for	Doz.	100	
PYRETHRUM <i>Roseum, Single and Double Mixed</i>	Painted Daisy	June	Various	18 in.	\$0.85	\$3.00	\$15.00	
RANUNCULUS <i>Acris fl. pl.</i>	Buttercup True Buttercup	May-June	Yellow	2 ft.	1.00	3.60	....
ROSEMARIUS Officinalis	(Rosemary)				.85	3.00	15.00	
RUDBECKIA <i>Laciniata fl. pl.</i>	Cone Flower Golden Glow	July-Oct	Yellow	5-7 ft.	.85	3.00	15.00	
SALVIA <i>Pitcheri</i> <i>Officinalis</i>	Meadow Sage Common Sage	Sept.-Oct	Deep Blue	3½ ft.	.85	3.00	15.00	
SEDUM <i>Acre</i> <i>Brilliant</i> <i>Rubrum</i>	Golden Moss Scarlet Brilliant Red	May-June June-July June-Aug.	Bright Yellow Scarlet Brilliant Red	3 in. 6 in. 6 in.	.85 .85 .85	3.00 3.00 3.00	15.00 15.00 15.00	
SPIRAEA <i>Filipendula fl. pl.</i>	Goats' Beard or Meadow Sweet Dropwort	June-July	Double White	18 in.	1.00	3.60	....
STATICE <i>Latifolia</i>	Sea Lavender	July-Sept.	Lavender	2 ft.	.85	3.00	15.00	
SWEET WILLIAM (Dianthus Barbatus)								
<i>Johnson's Giant</i>		June-Oct.	Mixed, extra fine	2 ft.	.85	3.00	15.00	
<i>White</i>		June-Oct.	Red Salmon	2 ft.	.85	3.00	15.00	
TARRAGON. Common.	For culinary uses				.50	2.00	10.00	
THALICTRUM <i>Adiantifolium</i> <i>Dipterocarpum</i>	Meadow Rue	June-Aug. Aug.-Sept.	Yellow Lilac Mauve	8 in. 4 ft.	.85 .85	3.00 3.00	15.00 15.00	
TRILLIUM <i>Grandiflorum</i>	Wake Robin	May-June	White	12 in.	.50	2.00	10.00	
VERONICA <i>Amethystinum</i> <i>Spicata Alba</i> <i>Longifolia Subsessilis</i>	Speedwell	June-July	Blue White	2 ft. 18 in. ....	.85 .85 .85	3.00 3.00	15.00	
YUCCA Filamentosa	Adam's Needle	June-July	Pure White	4-5 ft.	.85	3.00	15.00	

A special leaflet on "Hardy Plants" given free with every order of \$1.00 or more, if asked for when ordering.



MARGUERITE GERARD



EUGENIE VERDIER



FESTIVA MAXIMA



PRES. TAFT

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

White and Light Varieties

Albatre. Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Midseason. **X** **D**, \$1.25; **M**, \$1.80; **L**, \$2.50.

Baroness Schroeder. Large globular rose type. Flesh pink changing to white. Vigorous and free bloomer. A first-rate flower. **D**, \$2.50.

Carnes Triumphant. Guards and crown pale pink, collar amber-white, fragrant. Midseason. **D**, 75c; **M**, \$1.25.

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. **D**, 75c; **M**, \$1.25.

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **D**, 75c; **M**, \$1.50.

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **D**, 60c; **M**, \$1.00; **L**, \$1.50.

Duc de Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. **D**, 75c; **M**, \$1.20; **L**, \$2.00.

Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow white, with some red spots on the edge of the center petals. **X** Very sweet. Early. **D**, 75c; **M**, \$1.25.

Jeanne d'Arc. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **D**, 75c; **M**, \$1.25.

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. **D**, \$1.25.

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. **D**, 75c; **M**, \$1.25; **L**, \$1.75.

Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; born on long stems. This is one of the most desirable for all purposes. **D**, 65c; **M**, \$1.25; **L**, \$1.75.

Madame Emile Lemoine. Flowers extra large, imbricated, each petal overlapping the other, giving the flower a very unusually distinctive shape. Color glossy white, overlaid with a sheen of satiny pink, pure white when fully open. A strong grower and free bloomer. Midseason. **D**, \$2.00; **M**, \$3.00.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Planting. Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of *rotten* stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. We offer three sizes, viz:—**Divided roots**, 2 to 5 eyes. **Medium roots**, 4 eyes and up. **Large roots**, 4 to 5 year old clumps, 8 eyes and up.

D—Divided. **M**—Medium. **L**—Large Roots.

White and Light Varieties—Cont.

Marie Lemoine. Delicate ivory white; solid massive blooms of extra size: very late. **D**, 75c; **M**, \$1.25.

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. **D**, \$1.25.

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **D**, 50c; **M**, 85c.

Light and Dark Pink and Rose

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **D**, 80c; **M**, \$1.25; **L**, \$2.00.

Claire Dubois. Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. One of the most desirable pink peonies. Late midseason. **D**, \$2.50.

Dorchester. Delicate salmon-pink, a color that is very rare in peonies. Flowers very late, thus extending the peony season. A most desirable sort. **D**, \$1.00.

Eugenie Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. We can conscientiously recommend this as one of the best pink Peonies in cultivation. **D**, 75c.

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **D**, 75c; **M**, \$1.50; **L**, \$2.25.

Floral Treasure. Very large, full flower of clear, even pink, shading lighter at the center; a very delicate color. Early midseason. **D**, \$1.00.

General Cavaignac. Large globular semi-rose type. Lilac rose with larger outer petals. Late. **D**, 75c.

Kohinoor. Shell pink, very free, splendid cut flower. Midseason. **D**, 75c; **M**, \$1.25.

Livingstone. Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. **D**, \$1.25.

Madame Barillet Deschamps. Semi-rose type flat and imbricated. Clear violet-rose toning with age to a silvery pink. Medium height. Midseason. Very fragrant. **D**, 75c.

Madame Emile Galle. Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **D**, \$1.00.

None of the Early Flowering Summer Perennials can excel the Peony in beauty of form, color and fragrance.
Peonies should be in every garden.



MME. DE VERNEVILLE

FELIX CROUSSE

OFFICINALIS RUBRA PLENA

LIVINGSTONE

Vaughan's Peonies

Light and Dark Pink, and Rose—Continued

Madame Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, \$1.00; M, \$2.00.**

Marguerite Gerard. Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. Extra. **D, \$1.50; M, \$2.50.**

Monsieur Jules Elie. Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, \$1.25; M, \$2.00.**

Octavie Demay. Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf. Midseason. A wonderful peony. **D, \$2.00.**

President Taft. (New). Exquisite shade of lilac-pink with carmine center. Very large cup-shaped blooms. There is no better pink of this shade in our entire collection. **D, \$2.00.**

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. **D, 75c.**

Therese. A most desirable variety of a charming shade of violet-rose, changing to lilac-white. Develops a high crown, strong grower and very free bloomer. A splendid addition to the mid-season sorts of which it is one of the best. **D, \$10.00.**

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. **D, 75c.**

Red and Crimson Sorts

Adolph Rousseau. Huge semi-double flowers of deep purplish-red. Tall vigorous, early. One of the darkest of all. **D, \$2.00; M, \$3.00.**

Agida. A grand bright showy red, almost a scarlet. A free bloomer, semi-double; midseason. **D, 75c.**

Augustin D'Hour. Large, bomb-shaped flower, dark brilliant soferino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. **X D, \$1.00; M, \$1.80.**

Felix Crousse. Flowers large, globular, solid and compactly built. Color rich, dazzling ruby red, bright and effective. Late midseason. **D, \$1.00; M, \$1.75.**

Karl Rosenfield. Very large flower, globular semi-rose type. Extremely vigorous grower, tall, and free-flowering. As an early red, it has no equal. **D, \$3.00.**

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Red and Crimson Sorts—Continued

La Grange. This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, \$1.00; M, \$1.50.**

M. Krelage. Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, \$1.00 M, \$1.50.**

Louis Van Houtte. Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. **D, 75c; M, \$1.25.**

M. Martin Cahuzac. Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower, Free bloomer. Midseason. **D, \$3.50.**

Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. **D, 75c.**

Various Peonies

Single Unnamed.

Single Crimson, divided roots, each, 65c.

Single Pink, divided roots, each, 65c.

Single White, divided roots, each 75c.

Prince Bismarck. Single beautiful crimson, showy yellow stamens. Free and long blooming variety. **D, \$1.00.**

Discount on Peonies

Orders amounting to over \$5.00 and less than \$10.00 are subject to 10 per cent discount for cash.

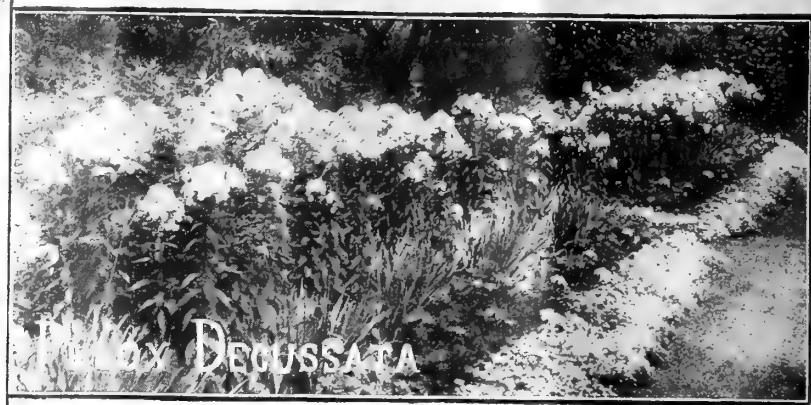
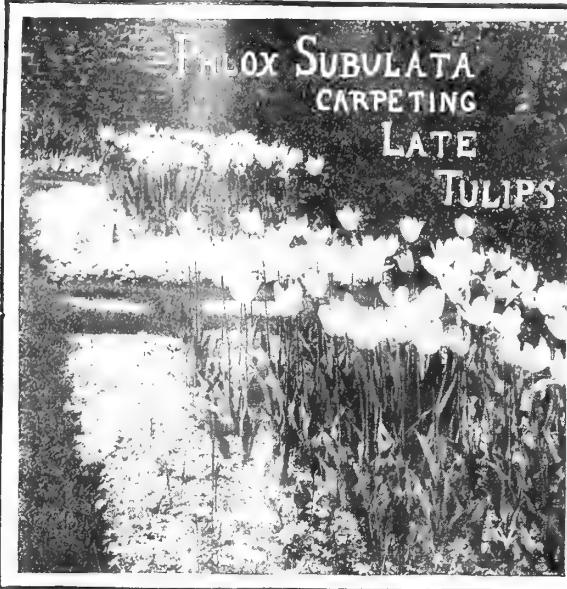
Orders over \$10.00 and less than \$15.00 are subject to 12 per cent discount for cash.

All orders of \$15.00 and over are subject to 15 per cent discount for cash.

Profits From Peonies

Peony culture is no longer a fad, but a real, live, business proposition, offering most excellent financial returns for the investment and labor required. Few, if any, of our popular commercial flowers can be produced with equal assurances of netting the grower better results in satisfaction and income. Peonies can be successfully grown under widely varying conditions, providing the proper cultural methods are pursued, and, while adaptable to culture in any open field, they are particularly suitable for improving vacant city property and backyard areas which would otherwise be waste ground.

Write us for list of best cut flower varieties of peonies and prices for dozen and 100 lots of a kind.



Hardy Phlox

PHLOX DECUSSATA

Dwarf and Alpine Phlox

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early	(D) Dwarf	Our prices are for one-
(2) Midseason	(M) Medium	year field grown plants.
(3) Late	(T) Tall	

The blue, lavender and orange colored ones should be planted in semi-shade, as the sun often bleaches out the colors in a short time.

Antonin Mercie. (M. 2.) A beautiful grayish lilac with white center. (A favorite among the light varieties.) *Per doz.*, \$2.50; 3 for 65c; 100, \$18.00.

Crespuscule. (M 2.) Large cherry-red center, edged pale violet pink. *Per doz.*, \$3.00; 3 for 85c.

Huxley. Pinkish lavender with rose center, spotted with white. *Per doz.*, \$3.00; 3 for 85c.

Jeanne d'Arc. (T.3.) One of the best late whites. Well formed full heads of large flowers. *Per doz.*, \$2.50; 3 for 65c.

Maculata Alpha. (Suffruticosa.) Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. *Per doz.*, \$2.00; 3 for 55c; 100, \$15.00.

Miss Lassberg. The purest white in cultivation. Extra fine. *Per doz.*, \$3.60; 3 for \$1.00.

Miss Lingard. (T. 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer. Good for cut flowers. *Per doz.*, \$3.00; 3 for 85c.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. *Per doz.*, \$2.50; 3 for 65c; 100, \$18.00.

Rhynstrom. Beautiful rich salmon-rose, enormous flowers. A good strong grower and a very free flowering variety. *Per doz.*, \$3.60; 3 for \$1.00; 100, \$25.00.

Selma. (T. 2.) Large trusses of very large pink flowers with cherry-red eye; choice. *Per doz.*, \$3.60; 3 for \$1.00; 100, \$25.00.

Snowbird. Pure white with touch of pink in center. *Per doz.*, \$3.00; 3 for 85c.

Widar. (M 2.) A much admired violet-blue with white eye; a rich colored form of Antonin Mercie. *Per doz.*, \$3.60; 3 for \$1.00.

MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Our selection. *Per doz.*, \$2.00; 3 for 55c.

SPECIAL OFFER No. 28. One each of 10 varieties, our selection from above. All distinctly labeled for \$2.50 by express, not prepaid.

SPECIAL OFFER No. 28A. One each of 6 varieties (six plants), our selection. Distinctly labeled for \$1.50 postpaid.

SPECIAL OFFER No. 28B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for \$1.25 postpaid.

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

Amoena Rosa. Bright pink flowers in May and June. Height 6 in. *Per dozen*, \$2.50; 3 for 65c; 100, \$15.00.

Pilosa Splendens. A new spring-flowering Phlox that produces great masses of lilac-rose flowers; 1 foot; May. *Per dozen*, \$2.50; 3 for 65c.

Subulata Rosa. Same as above, but with dainty pink flowers. This and Alba are fine for graves. *Per dozen*, \$3.00; 3 for 85c.

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height, 4 in. *Per dozen*, \$3.00; 3 for 85c; 100, \$15.00.

Phlox Arendsi

Flowers in May, height 12 to 14 inches, excellent for perennial borders and shrubberies. Continues long in bloom.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder. *Per dozen*, \$2.50; 3 for 65c.

Luise. Height, about 24 in. Color of flower, pale lilac with carmine eye. *Per dozen*, \$2.50; 3 for 65c.



SELMA

ORNAMENTAL and FLOWERING SHRUBS



BERBERIS THUNBERGII—Japanese Barberry

SHIPPING DIRECTIONS. Shrub orders amounting to \$5.00 and over and mixed orders, part shrubs and trees, amounting to \$8.00 include prepayment either by express or freight, within limits of Chicago, otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 10 of a kind.

Each	10	Each	10
40c	\$3.50	70c	\$6.50
45c	4.00	75c	7.00
50c	4.50	80c	7.50
55c	5.00	85c	8.00
60c	5.50	\$1.00	8.50
65c	6.00		

Less than 5 plants of a kind will be charged at the Each rate

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet "Planting Suggestions" Useful advice Free

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heelin" the roots, and then plant at your leisure.

ALMOND, DOUBLE-FLOWERING (B)
ALTHEA FRUTEX (Rose of Sharon)

{ Plant in Spring

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., 65c.

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, 75c

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Pentaphylla. (B). A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. 2 to 3 ft., bushy, 65c.

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 3 to 4 ft., 80c; 5 to 6 ft., \$1.20.

PLEASE NOTE: We cannot accept Orders for Nursery Stock for less than \$2.00. Cost of labor and material having doubled since 1917. Customers desiring smaller amounts will kindly add 25c. extra for cost of handling and packing.

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R.R.), two blocks South of 47th Street, the continuation of East Boulevard.

The Planting Season is limited by climatic conditions and by the stage of growth of the trees and plants. In Spring the planting season begins as soon as the frost is out of the ground sufficiently to permit digging, and continues until about June first. Toward the last of the summer the evergreens are the first to complete their growing season, and are usually ready for transplanting by the end of August. Deciduous trees and plants may be moved as soon as the leaves have performed their functions, which is generally at the time of the first frost in the fall, about the middle of September. The fall season lasts until the ground becomes frozen too hard to allow digging, about December first.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Non-Warranty. Most of the failures with trees and plants are due to improper planting, unfavorable soil or weather conditions, or other causes beyond the control of the nurseryman. Beyond the guarantee that all stock is in a alive and healthy condition when it leaves our hands, we give no warranty as to description quality, productiveness or growth of any of the trees, plants, or shrubs that we send out, nor will we be in any way responsible for the results obtained through their use. Every order for articles named in this catalogue will be executed under these conditions only. It is obvious, however, that we can afford to send out only such stock as will not only grow well, but prove true to name and description.



A VIEW OF OUR NURSERIES

BERBERIS (Barberry)

The following varieties are all "safe" ones. Only the *Vulgaris*, green-leaved and purple-leaved, are harmful as declared by the U. S. Department of Agriculture.

Heteropoda. A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucous bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparatively recent introduction. 3 to 4 ft., extra bushy, 90c.

Hicfolia. (Holly-leaved Barberry). (B). The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly.

2 to 2½ ft., \$1.35; 3 ft. Specimens, \$1.75. These prices are for stock with ball of earth and burlapped.

Thunbergii. (Japanese Barberry). (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

3 year, 18 to 24 inch, each, 65c; per 100, \$35.00; 6 year specimens, \$1.65.

BOX - BARBERRY

The New Hardy Edging and Dwarf Hedge

A dwarf, upright form of the familiar *Berberis Thunbergii*; it is perfectly hardy thriving wherever *Berberis Thunbergii* grows. It does not carry wheat rust. **Box-Barberry** lends itself most happily to low edgings for formal gardens, when set about four inches apart. It also makes a beautiful low hedge when set 6 to 8 inches apart. The foliage is light green, changing in autumn to dazzling red and yellow. We offer one-year field plants, each, 30c; 10 for \$2.75; per 100, \$22.50.



BECHTEL'S DOUBLE-FLOWERING CRAB

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pineapple fragrance. They bloom in June and throughout the summer. 2 to 3 ft., bushy, 85c.

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for waterside planting, especially when fully exposed to the sun. 2 to 3 ft., 85c.

CERASUS (Flowering Cherry) (A)

With but a few exceptions there are none of the Spring flowering shrubs that excel these in beauty when covered with their wealth of blossoms. Plant them around the lawn, near walks, or other conspicuous places where they can be admired by everybody. *C. Virginiana*. 3 to 4 ft., 75c.

CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against Evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 2 to 3 ft., 85c.

CORCHORUS (Kerria) (B)

(The Globe Flower or Japanese Rose)

Japonicus. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ ft., extra bushy, 85c.

CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition, to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and waterside planting.

Mascula. (Cornelian Cherry.) (B.) One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 4 to 5 ft., \$1.00; 5 to 6 ft., Specimens, \$1.50.

Sanguinea. (Red-branched Dogwood.) (B.) Very conspicuous and ornamental. Bark in winter blood-red. 3 to 4 ft., extra bushy, 85c.

Sibirica. (Siberian Red Osier.) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy. 3 to 4 ft., 85c.

Stolonifera Aurea. (Golden-twisted Osier.) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., extra bushy, 65c.

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 4 to 5 ft., extra fine, \$2.50; 5 to 6 ft., Specimens, \$4.50 to \$6.00; 6 to 7 ft., Specimens, \$6.00 to \$10.00. (See also *Malus Floribunda*.)

CRATAEGUS (Hawthorn)

Carriera. Foliage dark, glossy green; fruit large, dark red, showy and hangs to tree long into the winter. 5 to 6 ft., \$2.50.

Crus Galli. (Cockspur Thorn.) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. Specimens, 8 to 10 ft., \$2.50.

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 2 to 3 ft., extra bushy, 80c; Specimens, 4 to 5 ft., \$1.25 to \$1.75.

Maullei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 2 to 3 ft., 80c.

Rubra Grandiflora. Deep crimson flowers, with very showy fruit. 2 to 3 ft., 80c.

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 3 to 4 ft., bushy, 90c.



FORSYTHIA INTERMEDIA

DEUTZIA

Pride of Rochester. (B.) A variety of *Deutzia Crenata Flore Pleno*, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profusion of bloom and vigorous habit. 3 to 4 ft., extra bushy, 85c.

ELEAGNUS (Silver Thorn)

Augustifolia. (Russian Olive.) (B.) A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery, on the outside, fragrant. Berries yellow, coated with silvery scales. 3 to 4 ft., extra bushy, 60c; 5 to 6 ft., Specimens, \$1.25.

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush.) (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 2 to 3 ft., extra bushy, \$2.00; 5 to 6 ft., Specimens, \$5.00 to \$7.00; 7 to 8 ft., \$8.00 to \$10.00.

Europaeus. (European Euonymus.) (C.) Forms a tree sometimes 30 feet in height. Fruit white and rose-colored. 4 to 5 ft., \$1.35; 5 to 6 ft., \$1.65.

EXOCHORDA (Pearl Bush)

From North China. A fine shrub, producing large white flowers in May. Difficult to propagate and always scarce. One of the finest shrubs of its season. 5 to 6 ft., \$1.25.

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring sunshine.

Intermedia. Flowers bright yellow, glossy green foliage. 3 to 4 ft., extra bushy, 90c; 4 to 5 ft., extra bushy, \$1.20.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers. 2-yr. bushy, 75c; 3-yr. bushy, 90c.



HYDRANGEA PANICULATA GRANDIFLORA



PRIVET HEDGE

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurensis. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the East, but unlike it here in that the Amoor is hardy. 2 to 3 ft., extra bushy, 60c; per 100, \$35.00; 3 to 4 ft., extra bushy, 75c; per 100, \$50.00.

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens. 2 to 3 ft., extra bushy, 60c; per 100, \$35.00; 3 to 4 ft., extra bushy, 75c; per 100, \$50.00; 5 to 6 ft., Specimens, \$1.35.

Qualifolium. (Californian Privet.) (B) Large, broad leaves, and one of the best of all Privets but not hardy in vicinity of Chicago. Those residing in southern states should use it. (Best planted in Spring).

LILAC (True Syringa) (B)

Bertha Dammann. Magnificent pure white flowers. 4 to 5 ft., \$1.50.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.

Congo. Flowers large, wine red. Very valuable. 3 to 4 ft., \$1.25.

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through blooming. 3 to 4 ft., \$1.20; tree form, 3 to 4 ft., \$1.30; 4 to 5 ft., \$2.00; 5 to 6 ft., \$2.75.

Jeanne d'Arc. Large panicles of pure white flowers. 4 to 5 ft., \$1.50.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 3 to 4 ft., \$1.20; 4 to 5 ft., \$1.60; 5 to 6 ft., \$2.00.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 3 to 4 ft., \$1.20; 5 to 6 ft., \$2.00.

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 3 to 4 ft., \$1.20; 4 to 5 ft., \$2.00.

Souvenir de Louis Spath. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 4 to 5 ft., \$1.50.

Villosa. A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant. Especially valuable, as its flowers appear two weeks after those of other Lillacs. 3 to 4 ft., \$1.20.

Vulcan. Flowers large, ruby red. 3 to 4 ft., \$1.20.

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good. 3 to 4 ft., extra bushy, 85c; 4 to 5 ft., extra bushy, \$1.00; 7 to 8 ft., \$1.75.

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes. 3 to 4 ft., 75c.

Waldeck-Rousseau. Flowers double, light rosy lilac. 4 to 5 ft., \$1.50.

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, blooming in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Well adapted for rock gardens. 2 ft., bushy, 75c.

Morrowii. (Japanese Bush Honeysuckle) (B). A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries. 3 to 4 ft., \$1.00; 4 to 5 ft., Specimens, \$1.50.

Tatarica Tartarian (Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn.

Tatarica Alba (White Tartarian) (B).

3 to 4 ft., extra bushy, 90c.

Tatarica Rosea (Pink Tartarian) (B).

3 to 4 ft., extra bushy, 90c; 5 to 6 ft., extra bushy, \$1.35.

Tatarica Rubra. (Red Tartarian). 3 to 4 ft., 90c.

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stem to fall over.

Barbarum. 2 year, 60c.

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries that remain until winter. Bright crimson autumn foliage. 3 to 4 ft., 90c.

Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 6 to 7 ft., \$2.00.

Coronaria. (Wild Crab Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 3 to 4 ft., \$1.25.

Floribunda (Flowering Crab.) Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring-flowering shrubs. 3 to 4 ft., \$1.50.

Niedzwetzkyana. Handsome pinkish white flowers, grand variety. 6 to 7 ft., \$2.00; 7 to 8 ft., \$2.50.

MORUS (Mulberry)

Tatarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 5 to 6 ft., \$1.00; 7 to 8 ft., \$1.20.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Bouquet Blanc. Double or semi-double flowers; very floriferous. 4 to 5 ft., bushy, \$1.20.

Grandiflorus (A). (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free flowering of the genus.

All bushy stock: 3 to 4 ft., 80c; 4 to 5 ft., extra bushy, \$1.20.

Lemoinei Erectus (B). A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., 75c.

PRIVET. See Ligustrum.

PRUNUS (Plum)**Ornamental and Flowering Varieties.**

Pissardii (A). (Purple-leaved Plum.) A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 3 to 4 ft., \$1.00; 4 to 5 ft., \$1.20.

Spinosa (Blackthorn, Irish Shillalah.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 7 to 8 ft., extra bushy, \$1.50.

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 3 to 4 ft., 85c; 4 to 5 ft., \$1.20.

RHAMNUS (Buckthorn)

Catharticus (A). A fine, robust shrub, with dark green foliage, white flowers and small, black fruit. A popular hedge plant. 4 to 5 ft., 85c; 5 to 6 ft., Specimens, \$1.50; 6 to 7 ft., Specimens, \$2.00.

RIBES OR FLOWERING CURRANT

Alpinum (B). An attractive shrub with fragrant golden yellow flowers and deep scarlet fruit. 2 to 3 ft., extra bushy, 60c.

Aureum (Yellow-flowering, or Missouri Currant.) (B). A native shrub with glabrous shining leaves and yellow sweet-scented flowers in June. 2 to 3 ft., 60c; 3 to 4 ft., 85c.

You certainly have sent me a fine lot of shrubs, the finest I have ever seen for their age, and I am more than well pleased with them. They will certainly make my home place look 1000 per cent better. You can count on me as a "Vaughan Booster" from now on.

TOM WELTON, Waverly, Neb.

Make Your House a Home

Don't imagine your house is finished when the plumber has finished—then commences the work of converting it into a comfortable, picturesque home for your family. Trees and shrubs play a big part in accomplishing this.

Plant this year if possible.

SNOWBERRY—See *Symporicarpus*

and turns a golden yellow in the fall. \$1.00; 4 to 5 ft., \$1.20.

ROBINIA (Acacia)

Pseud acacia (False Locust.) A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., 50c.

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 5 yr., 85c.

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 3 yr., 75c.

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 85c.

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast. Make attractive clumps in neighborhood of ponds and streams.

Britzensis. Of particular beauty in winter; the color of the bark changes with the approach of cold weather, taking on a flame or bronze color, and this is maintained until spring. Very effective when the ground is covered with snow. 3 to 4 ft., 75c.

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves come out. Very handsome in flower and greatly esteemed. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark-green leaves; admirable for sea shore and narrow streets. 4 to 5 ft., 75c; 5 to 6 ft., \$1.00.

Vitellina Aurea. Branches rich, golden yellow with drooping growth habit. 5 to 6 ft., \$1.00.

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 3 to 4 ft., extra bushy, 75c.

Nigra Lacinata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 4 to 5 ft., extra bushy, \$1.00.

Racemosa. Attractive red berries in summer. 5 to 6 ft., \$1.20.

SNOWBERRY. See *Symporicarpus*.

SMOKE TREE. See *Rhus Cotinus*. **SWEET BRIAR.** See *Rosa Rubiginosa*.

SNOWBALLS. See *Viburnum*. **SWEET SHRUB.** See *Calycanthus*.

SPIRAEA

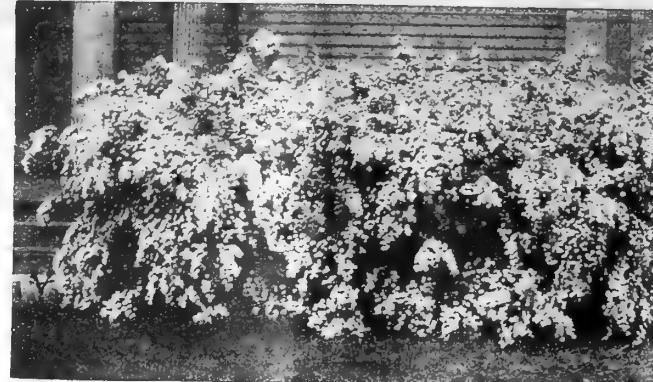
A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1½ ft., extra bushy, 75c.

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 3 to 4 ft., bushy, \$1.00.

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 3 to 4 ft., 75c.

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 18 inch, extra bushy, 85c.

SPIRAEA—*Van Houttei* (Bridal Wreath)

RHUS (Sumach)

Typhina Lacinata. (Fern-leaved Staghorn Sumach.) As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut. Attains a height of 20 ft. 3 to 4 ft.,

SPIRAEA—Continued

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places.

3 to 4 ft., 80c; 4 to 5 ft., extra bushy, \$1.00; 5 to 6 ft., Specimens, \$1.50.

Opulifolia Aurea. (Golden-leaved Nine Bark.) (B.) Golden yellow tinted foliage, and white flowers in June. Very conspicuous. 3 to 4 ft., 85c.

Thunbergii. (Thunberg's Spiraea.) (B.) Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow. 1½ to 2 ft., extra bushy, 65c.

Van Houttei (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition. 2 to 3 ft., bushy, 60c; 3 to 4 ft., extra bushy, 85c.



PUSSY WILLOW (Salix Discolor)

ROBINIA (Acacia)

Pseud acacia (False Locust.) A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., 50c.

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 5 yr., 85c.

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 3 yr., 75c.

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 85c.

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast. Make attractive clumps in neighborhood of ponds and streams.

Britzensis. Of particular beauty in winter; the color of the bark changes with the approach of cold weather, taking on a flame or bronze color, and this is maintained until spring. Very effective when the ground is covered with snow. 3 to 4 ft., 75c.

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves come out. Very handsome in flower and greatly esteemed. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark-green leaves; admirable for sea shore and narrow streets. 4 to 5 ft., 75c; 5 to 6 ft., \$1.00.

Vitellina Aurea. Branches rich, golden yellow with drooping growth habit. 5 to 6 ft., \$1.00.

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 3 to 4 ft., extra bushy, 75c.

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Racemosa. Attractive red berries in summer. 5 to 6 ft., \$1.20.

SNOWBERRY. See *Symporicarpus*.

SMOKE TREE. See *Rhus Cotinus*. **SWEET BRIAR.** See *Rosa Rubiginosa*.

SNOWBALLS. See *Viburnum*. **SWEET SHRUB.** See *Calycanthus*.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1½ ft., extra bushy, 75c.

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Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 18 inch, extra bushy, 85c.

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Racemosus. (Snowberry.) (B.) A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes in summer followed by waxy, white berries, which remain almost until spring. 3 to 4 ft., 80c.

Vulgaris. (Coral-Berry or Indian Currant.) (B.) A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, 60c.

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside.

Amurensis. A splendid hardy variety, with silvery pink tassels; flowers all summer. 3 to 4 ft., 80c; 5 to 6 ft., \$1.20.

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 2 to 3 ft., 65c.

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage assumes brilliant and intense color tones in the autumn.

Lantana. (Early white Lantana-leaved Viburnum.) (A.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 3 to 4 ft., extra bushy, \$1.00.

Molle. (Glossy Viburnum.) A variety similar to *V. Dentatum*, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 6 to 7 ft., Specimens, \$1.75.

Opulus. (High Bush Cranberry.) (A.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 3 to 4 ft., extra bushy, 90c; 4 to 5 ft., \$1.20; 6 to 7 ft., \$1.75.

Opulus Sterile. (The old-fashioned "Snowball Tree.") Large balls or globes of white flowers. Well known. 2 to 3 ft., bushy, 60c.

Pyrifolium. (Pear-Leaved Viburnum.) Flowers white and fragrant, blooming about two weeks later than other varieties. 3 to 4 ft., 85c.

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

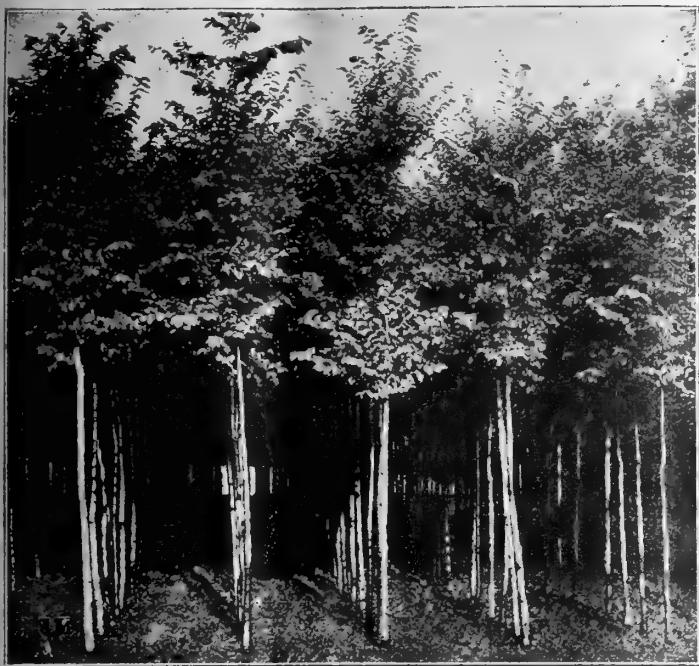
Candida. White Weigelia, flowering throughout the summer. Unique and very attractive. 2 to 3 ft., 60c; 3 to 4 ft., 85c.

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelas. 2 to 3 ft., 85c.

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft., 75c.

Rosea. A beautiful shrub, with rose-colored flowers. 3 to 4 ft., \$1.00.

ORNAMENTAL TREES



BLOCK OF SCOTCH ELMS AT OUR NURSERIES

ASH (*Fraxinus*)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting.
7 to 8 ft., \$2.50; 8 to 10 ft., 1½ to 2 inch caliper, \$4.00.

BOX ELDER

8 to 10 ft., 1 to 1½ inch caliper, \$1.60.

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 to 6 ft. clear stem, \$4.00.

Kaempferi. (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Two weeks later than *Syringaefolia*.
7 to 8 ft., \$2.50; 8 to 10 ft., \$4.00.

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 8 to 10 ft., \$3.00; 10 to 12 ft., \$4.00.

ELM (*Ulmus*)

Height	Caliper	Each	Height	Caliper	Each
8 to 10 ft.	1½ to 2 inch	\$3.00	12 to 14 ft.	3½ inch	\$12.00
10 to 12 ft.	2 to 2½ inch	6.00	12 to 14 ft.	4 inch	\$15.00 to 18.00
10 to 12 ft.	3 inch	9.00			

English Elm. (U. Campestris.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree. This is wonderfully fine stock and this type is much better suited to city conditions than the American Elm, which latter is best for the country.

Height	Caliper	Each	Caliper	Each
12 to 14 ft.	3 to 3½ inch	\$12.00 to \$14.00	4 to 4½ inch	\$20.00 to \$25.00
12 to 14 ft.	3½ to 4 inch	15.00 to 20.00	4½ to 5 inch	25.00 to 30.00

Huntingdon Elm. (*Ulmus Vegeta*) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., 1½ to 2 inch caliper, \$6.00; 10 to 12 ft., 2½ to 3 inch caliper, \$10.00.

Monumental Elm. (U. Campestris *Monumentalis*) A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 to 10 ft., 1½ to 2 inch caliper, \$5.00; 12 to 15 ft., 2½ to 3 inch caliper, \$10.00.

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 15 to 18 ft., 3½ to 4 inch caliper, \$18.00.

Weeping Elm. 5 ft. stem, 2 year head, \$5.00.

Scotch Elm. (U. Campestris *Latifolia*) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn.

Height	Caliper	Each	Height	Caliper	Each
10 to 12 ft.	1½ to 2 inch	\$3.50	15 to 18 ft.	3½ to 4 inch	\$13.00 to \$15.00
10 to 12 ft.	2 to 2½ inch	5.00	15 to 18 ft.	4 to 4½ inch	16.00 to 20.00
12 to 15 ft.	2½ to 3 inch	6.00		4½ to 5 inch	25.00 to 30.00
15 to 18 ft.	3 to 3½ inch	12.00			

On order for trees amounting to \$12.00 and over, we prepay freight charges within limits of Chicago, orders for smaller amounts are shipped charges collect.

All trees 10 feet high or over must be shipped by freight.

GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. 6 to 7 ft., \$2.50; 16 ft., 2 to 2½ inch caliper, \$8.00; Specimen trees, \$10.00 to \$15.00.

LINDEN (*Tilia*)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. 10 to 12 ft., 2½ to 3 inch caliper, \$10.00 to \$12.00.

LOCUST (*Robinia*)

Honey Locust. (American) A tree of picturesque outline and rapid growth. Thrives on very light soils. 6 to 7 ft., \$1.25; 8 to 10 ft., \$1.65.

MAPLE (*Acer*)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until leaves fall. 16 ft., \$9.00.

Norway Maple. (*Platanoides*) Its compact habit and vigorous growth render it one of the most desirable. 8 to 10 ft., 1 to 1½ inch caliper, \$3.25; 12 to 15 ft., 2 to 2½ inch caliper, \$9.00; 15 to 18 ft., 2½ to 3 inch caliper, \$10.00 to \$12.00; 15 to 18 ft., 3 to 3½ inch caliper, \$15.00 to \$18.00.

Schwedleri. (Schwedler's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple. 8 to 10 ft., \$6.00; 8 to 10 ft., 2 inch caliper, \$8.00; 8 to 10 ft., 2½ inch caliper, \$12.00; 8 to 10 ft., 3 inch caliper, \$15.00.

Silver Maple. (*Dasycarpum*) Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting.
8 to 10 ft., \$2.00.

MOUNTAIN ASH

12 to 15 ft., 1½ to 2 inch caliper, \$6.00.

Angulata Cordata Robusta. (New.) A remarkable tree of compact and pyramidal shape. Very distinct from any other poplars. Suitable for shade or ornamental purposes. Much better than P. Carolina and is rarely attacked by the borer. The branches are plume-like, which give a graceful appearance. Strong, robust grower and very hardy. 8 to 10 ft., \$2.00; 10 to 12 ft., 1½ to 2 inch caliper, \$2.50; 12 to 15 ft., 2 to 2½ inch caliper, \$3.50.

POPLAR (*Populus*)

Bolleana. Grows 60 to 80 feet high. Similar in habit to the Lombardy Poplar; very emphatic and a distinct-looking tree; has silvery white foliage.
7 to 8 ft., \$1.75; 8 to 10 ft., \$2.50; 10 to 12 ft., 1½ to 2 inch caliper, \$3.50.

Carolina Poplar. 8 to 10 ft., 1½ to 2 inch caliper, \$2.50; 10 to 12 ft., 2 to 2½ inch caliper, \$4.00.

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree.
8 to 10 ft., \$1.75; 10 to 12 ft., \$2.50.

Walnut

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree.
5 to 6 ft., \$2.00; 8 to 10 ft., \$2.50.

SPECIMEN TREES

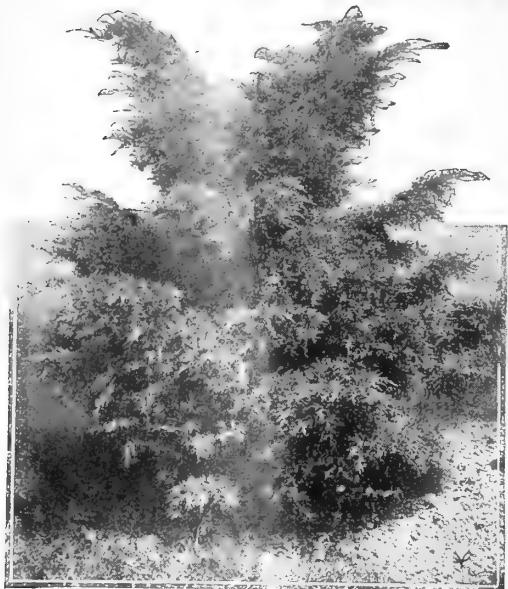
If larger sizes are required than are specified on this page, customers will please write us for prices. We have some splendid specimen Elms in these large sizes.

The trees listed on this page are all well developed, heavily rooted, shapely stock and will give perfect satisfaction.

This stock is transplanted at regular intervals and far enough apart, in the nursery row so that the form of the tree and root system are given adequate room for proper development.

NOTE: We have 15,000 Elms in our Nurseries to select from and invite customers interested in large quantities, for estate or subdivision planting to inspect our stock and get our special quantity prices.

Hardy Coniferous Evergreens



JUNIPERUS PFITZERIANA
A Graceful Specimen for Lawn or Mixed Border

ABIES (Firs)

Brachyphylla. (Nikko Fir) A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 5 to 6 ft. Specimens, \$12.00.

Douglasii. (Douglas Fir). A fine rapid growing fir, for extensive planting, wind-breaks, etc. or as individual specimens. 3 to 4 ft., \$4.00; 4 to 5 ft., \$5.00.

JUNIPERS AND CEDARS

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 2 ft. by 2 ft., \$5.00.

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. 6 ft. by 5 ft. Specimens, \$30.00 to \$40.00; 7 ft. Specimens, \$40.00 to \$55.00; 9 ft. Specimens, \$60.00 to \$80.00.

Sabina. (Savin Juniper). A dwarf spreading evergreen, with trailing branches suitable for rock work. 12 by 18-inch, \$2.50.

Virginiana (Red Cedar). A rapid, erect grower, with bright rich green foliage. 2 to 3 ft., \$2.00; 3 to 4 ft., \$4.00.

Virginiana Elegansissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older. 4 to 4½ ft., \$8.00 to \$10.00.

LARIX (Larch)

Europaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 4 to 5 ft., \$3.50; 5 to 6 ft., \$6.00; 6 to 7 ft., \$8.00.

PINUS (Pines)

Mugo. (Dwarf Pine). A low growing handsome evergreen with vividly colored leaves of a twisty nature and cones of a brown, grayish tinge. Extra fine. 15 by 12-inch, \$5.00 to \$6.00.

Strobos. (White Pine). A very beautiful and graceful pine, regular in form with dark green foliage, growing quite tall, surmounted by a symmetrically-formed crown. 2 to 3 ft., \$2.50 to \$3.00; 6 ft., \$8.00.

TAXUS (Yew)

Cuspidata. Of dwarf spreading growth, light green foliage. Very hardy. 3 ft., \$7.00; 4 ft., \$8.50.

Var. Brevifolia. A form of the above with short, dark green leaves. A very handsome, hardy variety. Rare. 12 to 14-inch, \$3.50.

THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side. 2 ft., \$2.00; 3 ft., \$3.00; 4 ft., \$4.00.

Occidentalis Wareana. The hardiest of American Arborvitae, although of somewhat slower growth; it has most beautiful dense and symmetrical form with a rich dark green foliage. 1½ to 2 ft., \$2.00.

THUYOPSIS

Standishii. (Japanese Arborvitae). A beautiful and attractive species with horizontal branches and bright green foliage. 3 to 4 ft., \$5.00; 4 to 5 ft., \$6.00.

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done during the early spring, April or May, and in September.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

PICEA (Spruce)

Excelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 12 to 18-inch, \$1.00 to \$1.50; 4 ft., \$5.00; 5 ft., \$6.00; 6 ft., \$10.00.

Excelsa Nigra. (American Black Spruce). A small or medium sized tree; a native of North America, of great hardiness, and particularly useful for planting in the Northern States. 1 to 1½ ft., \$1.50 to \$1.75.

Koster's Blue Spruce

Pungens Glauca Kosteriana (Koster's Blue Spruce). Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Colorado Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
6 ft. Specimens.....	\$30.00 to \$40.00	8 ft. Specimens.....	\$60.00 to \$75.00
7 ft. Specimens.....	50.00 to 60.00	8 to 10 ft. Specimens.....	75.00 to 120.00

For Larger Specimens, Write for Prices.

Pungens Glauca (Colorado Spruce). This excellent native Spruce can be supplied in two colors—slate blue and green. Height, 1½ to 2 ft., blue, \$4.00; green, \$3.00.

CULTURAL NOTES ON STRAWBERRIES

Many people consider Strawberries difficult to cultivate, but there is no plant that so readily adapts itself to the soil and conditions of ordinary gardens, either of loam, sand or clay. The main point is to have good drainage and a liberal amount of watering when the fruit is ripening.

The soil must be very rich and the more rotted manure or rotted humus you can get into it the better your future crops will be. Stable manure is probably the easiest to procure. Cow manure, well rotted, is to be preferred if it can be easily procured. Commercial fertilizers can also be used, but if possible, only as auxiliary to the stable manure, as there is not enough retentative material in it to keep the ground moist about the roots. **Vaughan's Fertilizing Mixture 2-8-1** is an excellent manure to use as a spring top dressing. It should be applied evenly along the rows and well worked into the soil before the plants are set or raked and watered in after the plants have started to grow. It is a mistake to put the commercial fertilizer underneath the Strawberry Plants when planting, as thousands have been killed annually by this process and the seedsmen generally held accountable for supplying inferior stock.

PLANTING. For field culture plant the rows 3½ feet apart and set the plants from 15 inches to 2 feet apart. For garden planting set the rows 3 feet apart and the plants from 18 inches to 2 feet apart in the rows. If planted thus and the runners removed large crops will result.

It is important to set the plants at the proper depth; the crown of the roots should be level with the surface of the soil and each plant firmly pressed into the ground. In the middle west and northern states we recommend protecting the plants in winter. A mulching of straw or dry litter should be applied late in the fall, just enough to cover the crown of the plants. Previous to putting this litter on the beds at least two or three inches of rotted manure should be laid along between the rows. The litter should be carefully removed in the spring and laid by the side of the rows to keep the fruit clean. The best months to plant are April and May; August and September.

(See Page 36)



We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 12 ft. high

Vaughan's Fruit Trees

We shall be glad to prune fruit and other trees for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all shipments.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

APPLES

We offer the following selected varieties in the 4 to 5 ft. size only. 4 to 5 ft. Each, \$1.35; 3 for \$3.90; 10 for \$12.50.

Autumn Strawberry. Red stripes, very white flesh. Bears young.

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March.

Banana. Large clear yellow, fine quality.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March.

Black Ben Davis. Stronger, harder, and a better drought resister than Ben Davis; fruit large, solid, deep dark red.

Delicious. Fruit large, nearly covered with brilliant dark red, flesh fine grained crisp, melting; very highest quality. Splendid keeper and shipper.

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept.

Early Harvest. Medium to large; pale yellow; tender, with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August.

Fameuse. (Snow Apple.) Medium size; deep crimson; flesh snowy white, tender, melting and delicious; one of the finest dessert fruits, and valuable for market; succeeds particularly well in the North. November to January.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. A popular bright red apple largely grown in the North where hardiness is required. Nov. to Feb.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August.

Rome Beauty. (Late Winter.) A large bright red apple that is tender fleshed, juicy, good quality and an A-1 cooker. Bears young, blooms late, fruit hangs firmly and can always be depended upon for a full crop.

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor.

Wagener. (Red Winter Apple.) Wagener is one of the most beautiful winter apples ever grown. It is of the highest quality, the flesh being crisp, tender and aromatic. We know of no apple possessing greater beauty or of finer quality. It succeeds well East and West. Dec. to May.

Wealthy. The best, handsomest, most satisfactory fall apple. Largely planted throughout the United States. It is large and uniform in size, a brilliant red all over marked with stripes and splashes of deeper red. The tree grows large and symmetrical, is an enormous bearer and is hardy and thrifty. Wealthy trees bear extremely young and none more profitable earlier in life.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, becoming a beautiful pale yellow. July and August.

CHERRIES

Any of the following: 4 to 5 ft. trees. Each, \$1.50.

DYEHOUSE. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June.

EARLY RICHMOND. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June.

ENGLISH MORELLO. Rich, dark red fruit. Extra large.

MONTMORENCY. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June.

CRAB APPLES

Any of the following: 4 to 5 ft. trees. Each, \$1.35.

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequalled for jelly and for vinegar; can be dried or preserved.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes.

Siberian. Large, golden yellow.

Transcendent. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses.

Whitney. One of the largest, glossy green splashed carmine.

DWARF APPLE AND PEAR TREES

The Dwarf Apple and Pear Trees come into bearing much earlier than the Standard Trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf Trees are secured by propagating Apples on Paradise stock; Pears on Quince. We have the following list to offer:

DWARF APPLES. 3 to 4 ft. Each, \$1.50.

Delicious, Duchess of Oldenburg, Snow Fameuse, Wagener, Yellow Transparent.

DWARF PEARS. 3 to 4 ft. Each, \$1.50.

Bartlett, Clapp's Favorite, Duchess, Seckel.

PEARS

4 to 5 ft. Each, \$1.50; 3 for \$4.20; 10 for \$13.50.

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated by cutting away the diseased limbs entirely. Thinning increases size and quality of remaining crop.

BARTLETT. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September.

CLAPP'S FAVORITE. Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before ripe.

DUCHESS. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety.

EARLY HARVEST. Early. Good size.

FLEMISH BEAUTY. Large, juicy, rich, one of the hardest. September and October.

KIEFFER. Good for preserving and canning; extra large; good bearer. October. 6 to 7 ft., \$2.00.

KOONCE. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 7 to 8 ft., \$2.25.

SECKEL. Small, yellowish brown, red cheek; best to eat out of hand, or pickled.

PLUMS

Okata. A Hansen seedling. Very early and productive. Fruit of medium size, dark red skin, green flesh, quality good. \$2.00.

Sapa. One of Prof. Hansen's seedlings. Skin dark purple; flesh, dark purple red. An early bearer. \$2.00.

WANETA. One of the latest of Prof. Hansen's hybrids, being a cross of the Terry and Japanese apple plum. It bears the largest fruit of any of the hybrids, one specimen plum being 2 inches in diameter. The fruit is red, thin skinned, and has a sweet and delicious flavor. 4 to 5 ft., \$2.00.

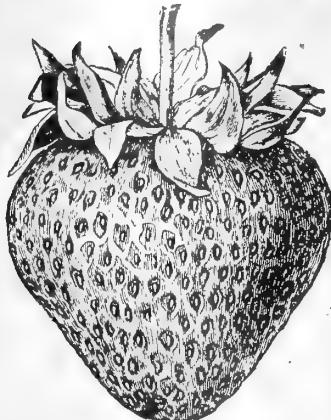
For other plums see next Spring's catalog.

PEACHES

Plant these in Spring.

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

STRAWBERRIES—Pot Grown



SENATOR DUNLAP

VARIETIES marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

Price of the following, except where noted, per doz., 75c; 50 for \$2.75; 100 for \$5.00, by Express.

DR. BURRELL. (Mid-Season.) The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is solid and rich. Its long and heavy root system makes it a perfect drought resister. The foliage is large and of a beautiful dark green having a tough leaf tissue insuring its entire freedom from all leaf spots.

LA GRANGE. A bi-sexual vigorous grower with long heavy roots enabling it to resist drought. Foliage heavy, of good color and free from any indication of rust or disease. The berries are of good size, bright red in color with a very glossy surface, and ripen evenly; flavor most delicious, very much like that of the wild strawberry. Few, if any, varieties can equal it in productiveness. On the originator's farm, under ordinary cultivation, it has yielded at the rate of 10,000 quarts per acre. We have had an opportunity to watch it carefully and feel safe in saying that it is one of the best, if not the very best variety in cultivation for the home garden. We feel certain it will not disappoint you.

SENATOR DUNLAP. (Mid-Season). One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matto too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need to plant it.

EVERBEARING. Everbearing Strawberries are no longer an experiment. They are a success, becoming essential all over the country, and are making good every place where they have been tested. For best results the blossoms should be kept picked off until the middle of July. This will assure a good crop for fall. The variety we list is the best of all the Everbearing varieties, being a strong grower and heavy yielder.

PROGRESSIVE. You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or ever-



POT-GROWN STRAWBERRY PLANT

bearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October, and November, and later, if not killed by freezing weather.

Price, per doz., \$1.00; 50 for \$4.00; 100 for \$7.00, by Express.

Cultural Notes on Strawberries will be found on page 34.

SMALL FRUITS

READY IN
OCTOBER

BLACKBERRIES

Price, each, 25c; 3 for 65c; 10 for \$1.70; per 100, \$10.00.

If to go by mail, add 10c per doz. or 60c per 100 for postage and packing.

ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardiest of all.

BLOWERS. A new large blackberry, very hardy and productive.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

HIMALAYA GIANT. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on a trellis. Fruit large, black, has yielded as much as 400 crates per acre.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

CURRANTS AND GOOSEBERRIES

These can only be shipped to points in Illinois on account of restrictions of the Dept. of Agriculture. We shall be pleased to send list of varieties and prices on application.

GRAPES

Price, (except where noted) 2-year, each 60c; 3 for \$1.65; 10 for \$5.00.

If to go by mail, add 10c each or 50c per 10 for postage and extra packing expense.

Of a few varieties we can also supply 3-year-old vines; these are specially priced.

AGAWAN. (Red or Maroon.) Bunch usually loose shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper. 3-year, 75c.

BRIGHTON. (Dark Red.) Bunches large, berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollinate itself. One of the best early red grapes.

CAMPBELL'S EARLY—King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thick; flavor rich and sweet.

Price, 2-year-old vines, each 75c; 3 for \$2.10; 10 for \$6.50.

CATAWBA. (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened. 3-year, 75c.

CONCORD. One of the most popular and reliable varieties grown. 3-year, 75c.

DELAWARE. (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp. 3-year, 75c.

MOORE'S EARLY. (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Large size and early.

NIAGARA. (White.) Vine hardy; unusually strong grower.

WORDEN. A seedling of the Concord. Bunch large, compact, handsome; berries large—larger than those of the Concord. It ripens a few days earlier and is superior to it in flavor. Very popular for the vineyard and garden. 3-year, 75c.

RASPBERRIES

Price, (except where noted,) each, 20c; doz., \$1.00; per 100, \$3.75.

If to go by mail, add 10c per doz., 50c per 100 for postage and packing.

COLOSSAL. Truly colossal fruit; dark red berries, sub-acid flavor.

COLUMBIAN. Valuable and profitable. The fruit is cone-shaped, of dark red.

GGGG. Large black caps; heavy bearer.

LOUDON. It is almost ever-bearing; fine deep red fruit; large and prolific.

KANSAS. The best of all black caps, berries large or larger than the Gregg.



VICTORY RASPBERRY
From photograph of a pint of berries; the berries are nearly one inch in diameter.

VICTORY—The Great New Red Raspberry

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, bush for bush, and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory is a money maker, fruit having sold at sixteen cents a pint box more than other varieties in the Chicago market. Price, each, 25c; 6 for \$1.00; doz. \$1.85; per 100, \$12.00.

NEW EVER-BEARING RASPBERRY

ST. REGIS. Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. Awarded the highest certificate of merit by the American Institute of New York.

Price, each, 25c; 3 for 65c; doz., \$1.35; per 100, \$8.00.

Hardy Climbing Vines

AMPELOPSIS VEITCHII (Boston Ivy)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick.

Pot Grown. For late planting. Prices, each, \$1.00; doz., \$10.00.

Ampelopsis Engelmannii. (Engelman's Ivy.) One of the hardest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 4 yr., 85c. (If by mail, add 10c.)

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 3 yr., 65c. (If by mail, add 10c.)

CELASTRUS

Celastrus Articulatus. A very vigorous climbing shrub from Japan, adapted for running over wild and rugged arrangements. It is most attractive in autumn when covered with fruits which are a light yellow color when ripe and which split open after the manner of Euonymus, showing bright red seeds within. 2 yr., 85c.

Celastrus scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, each, 85c; 3 yr., \$1.20.

CLEMATIS

JAPANESE CLEMATIS (Clematis paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. Easiest to grow and most popular of all the small flowered vines.

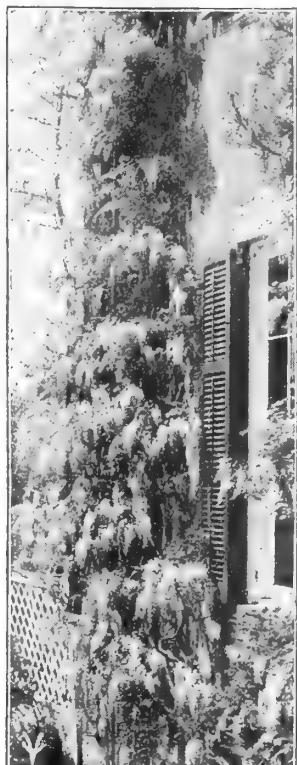
2-year, each, \$0.75; 3 for \$2.10; doz., \$ 7.50. (If by mail, add 5c each.)
3-year, each, 1.00; 3 for 2.75; doz., 10.00. (If by mail, add 8c each.)
4-year, each, 1.25; 3 for 3.45; doz., 12.50. (If by mail, add 10c each.)

The large flowered Clematises, C. Coccinea and Crispa are best planted in Spring and will be offered in our 1921 Spring Catalog; also the Honeysuckles.

WISTARIA MAGNIFICA

A strong, rapid-growing vine with light green compound foliage of an evergreen nature and purple lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 3-yr., extra strong, 85c. (If by mail, add 10c.)

CLEMATIS PANICULATA



WISTARIA

VAUGHAN'S FLOWER SEEDS

SWEET PEAS—Early Flowering Spencer

THE happy possessor of a greenhouse may plant these at once inside for blooming in midwinter, and the owner of a garden may plant these in late November or early December in the open ground, just before the ground is frozen, so that germination may take place early in the Spring before the ground is usually in condition to be worked. Sweet Peas planted in the fall produce a better root growth, and these early-flowering varieties bloom before the warm weather overtakes them in midsummer.

Oz. Pkt.

3971	Asta Ohn.	This is a most popular lavender	... \$1 25	\$0 10
3972	Aviator.	Brilliant scarlet	... 2 25	20
3973	Cream.	... 80	10	
3974	Heather Bell.	A beautiful mauve lavender	... 1 00	10
3975	Helen Lewis.	Very fine shade of salmon pink	... 1 00	10
3976	Liberty.	Brilliant red	... 1 00	10
3978	Miss Louise Gude.	Flowers large shell pink	... 1 00	10
3979	Morning Star.	Rich orange pink	... 1 00	10
3980	Mrs. A. A. Skaach.	Flowers bright shell pink	... 80	10
3981	Mrs. M. Spanolin.	Black-seeded white	... 1 00	10
3982	Mrs. William Sim.	Apricot pink	... 80	10
3983	Mrs. C. A. Zvolanek.	Clear lavender	... 1 00	10
3984	Pink and White.	Blanche Ferry type, extra	... 80	10
3986	Rose Queen.	Asplendid pink	... 1 50	15
3987	Song Bird.	Light pink on buff ground	... 1 00	10
3988	Spring Maid.	Light pink on a cream ground	... 1 00	10
3989	Snow Flake.	The best early-flowering white seeded Spencer	... 1 25	10
3990	The Beauty.	Dark fiery rose	... 1 00	10
3991	Venus.	Standard white, blushed pink wings	... 1 00	10
3992	Warbler.	Rich mauve purple	... 1 00	10
3993	Wedgewood.	A magnificent clear blue	... 1 00	10
3994	White Orchid.	White flowers of good substance	1 00	10
3995	Yarrawa.	The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings	... 80	10
3996	Zvolanek's Blue.	Very large, bright blue	... 1 00	10
3997	MIXED.	Winter Flowering Spencers, many kinds	... $\frac{1}{2}$ oz., 40c	70

PANSIES

Vaughan's Giant Mixture

Includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals.

Pkt. $\frac{1}{8}$ oz., \$1.00; 1 pkt. (250 seeds), 25c; 125 seeds, \$0 15

Vaughan's International Mixture

$\frac{1}{8}$ oz., \$1.75; 5 pkts., \$1.00; 3 pkts., 65c; per pkt. (250 seeds), 25

Chicago Parks Bedding Mixed. Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 40c 10

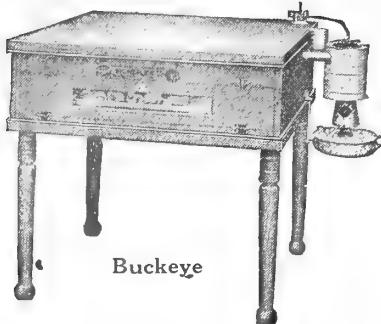
ANNUALS—For Fall Planting

One pkt. each, 8 varieties 50c; or they may be purchased separately at prices attached.

Late last Fall we planted in our Nursery at Western Springs, Ill. seeds of a few hardy Annuals to discover what varieties would give the best results in this latitude. Early in June of this year, before the Annuals which were planted this Spring were in bloom, the following from fall-sown seed were in bud and full flower:

Antirrhinum, Vaughan's Special Mixture	\$0 15
Brachycome Iberidifolia, (Swan River Daisy) Mixed	05
Candytuft, Giant Hyacinth-flowered White	10
Calendula, Orange King	10
Calliopsis Drummondii, Golden Wave	05
Centaurea Cyanus (Double Blue Cornflower)	10
Delphinium, Stock Fld Mixed	05
Hunnemannia Fumariaefolia	10

VAUGHAN'S POULTRY DEPARTMENT



Monthly Price List on Feeds Free on Application

VAUGHAN'S PIGEON FOOD

A scientifically prepared balanced ration food. Especially adapted to the growth of young pigeons and squabs. It makes the best general feed for all kinds of Fancy and Domestic Pigeons. Keeps the birds healthy and develops shape, style and plumage to a remarkable degree. As a foundation food it has no equal. Put up as follows:

Put up in 5 lb., 25 lb., 50 lb. and 100 lb. bags. For prices ask for monthly order blank.



Peerless Fountain with Heater

PEERLESS HEATER AND FOUNTAIN

This may be used either with or without the heater attached. With its use there is always at hand a supply of pure water for your flock. Easy to clean. Fowls cannot injure their combs when drinking.

The Combination Peerless Heater and Fountain when in use should be hung to the wall either by back strap or bail, which makes it absolutely safe.

Price, fountain only, 5-quart size..... \$1.00
Price, fountain only, 10-quart size..... 1.35
Price, heater for above..... 1.75

VAUGHAN'S FOUNTAIN

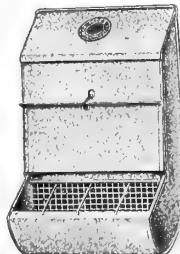
This fountain is made of heavy galvanized tin which will not rust and is so constructed that it can be placed on the floor or hung on the wall. The bottom is fastened by hinges on the back of the fountain and closed up at the front by a spring in the center. In front is an arch to keep dust and dirt from entering the water

Price, half-gallon size.... \$1.00 1-gallon size.... \$1.25 2-gallon size.... \$1.50

MOES' DRY MASH HOPPER

The curved bottom of the hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to base prevents clogging. The wire grid and the wires running from the flange through the wire grid prevents any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the birds from roosting on the Hopper, and when both covers are closed, it is rat and mouse proof. A trial will convince you that it is a Hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes.

No. 35, 8½ in. wide. Each..... \$1.90
No. 36, 12 in. wide. Each..... 2.50
No. 37, 24 in. wide. Each..... 3.75



STEVENS' "EVERGREEN" OAT SPROUTER

ALL METAL, LAMPLESS, INEXPENSIVE

The pans are all galvanized iron and perforated, with the exception of the bottom or drip pan which catches surplus water. Any pan is removable for emptying or refilling without disturbing the others.

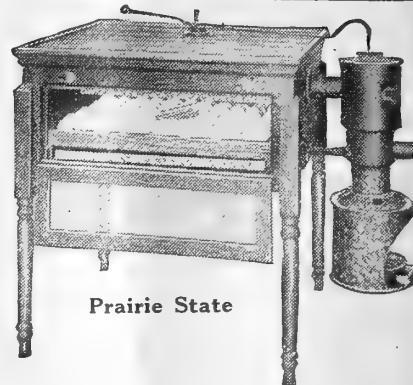
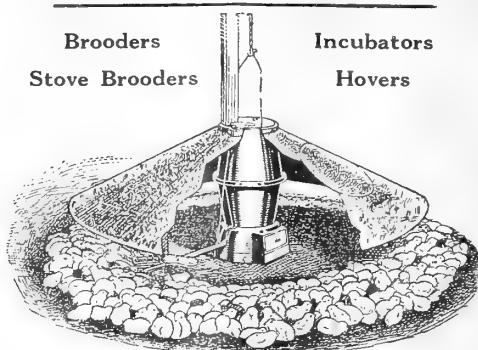
The stand is constructed in such a way that it may be put together or taken apart in two minutes, by simply removing cross rods; this makes it very convenient for shipping or storage when not in use. It is made of band iron with rods running under each pan riveted in, making it very rigid.

Ship. Wt. Price 4 SIZES
8 Pan, 11x15 in., med. size 18 lbs \$6.00 5 Pan, 11x15 in., small size 13 lbs. \$5.25
8 Pan, 11x33 in., large size 35 lbs 9.75 5 Pan, 11x33 in., med. large 25 lbs. 7.75

BUCKEYE AND PRAIRIE STATE

Brooders
Stove Brooders

Incubators
Hovers



Monthly Price List on Feeds Free on Application



Globe Egg Mash

A high grade 20 percent protein, ground grain feed. A great egg producer.

Globe Scratch Feed

A mixture of clean, sound sweet grains, to supplement Globe Egg Mash.

Globe Chick Mash with dried buttermilk

insures health and promotes rapid growth of baby chicks.

Ask for "Globe" Feeding Plan.
Monthly order blank and price list mailed free on request.

Globe Egg Mash

A high grade 20 percent protein, ground grain feed. A great egg producer.

Globe Scratch Feed

A mixture of clean, sound sweet grains, to supplement Globe Egg Mash.

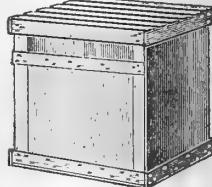
Globe Chick Mash with dried buttermilk

insures health and promotes rapid growth of baby chicks.

ALL-WOOD SHIPPING COOPS

Considered one of the best on the market. A closed coop made of light lumber having a two-inch opening in front and back under slated top so as to give fowls plenty of fresh air when shipping them. Birds shipped in this coop are in no danger of smothering, free from heat of steam pipes, drafts on depot platforms, and arrive at destination without having their plumage harmed. Made in the following sizes:

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	\$0.60	\$6.25
2	18	18	18	.75	7.75
3	12	21	21	.75	7.75
4	18	21	21	.90	9.25
5	24	21	21	1.00	10.50
6	30	21	21	1.15	12.00



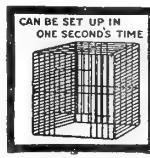
All Wood Shipping Coop

WRITE FOR COMPLETE POULTRY CATALOGUE

EXHIBITION COOPS

Birds do not show their good points in a poorly constructed coop. Manufactured of the best grade of galvanized steel wire and sheet metal, electrically welded.

No. 56, all wire coop, 24x24x27 inches high..... \$2.00



CAGE CUPS FOR EXHIBITION COOPS
Galvanized cups use for feed or water, provided with wire hooks to hang on sides. Each..... 20c. Per doz..... \$2.00

GRIT AND SHELL BOXES

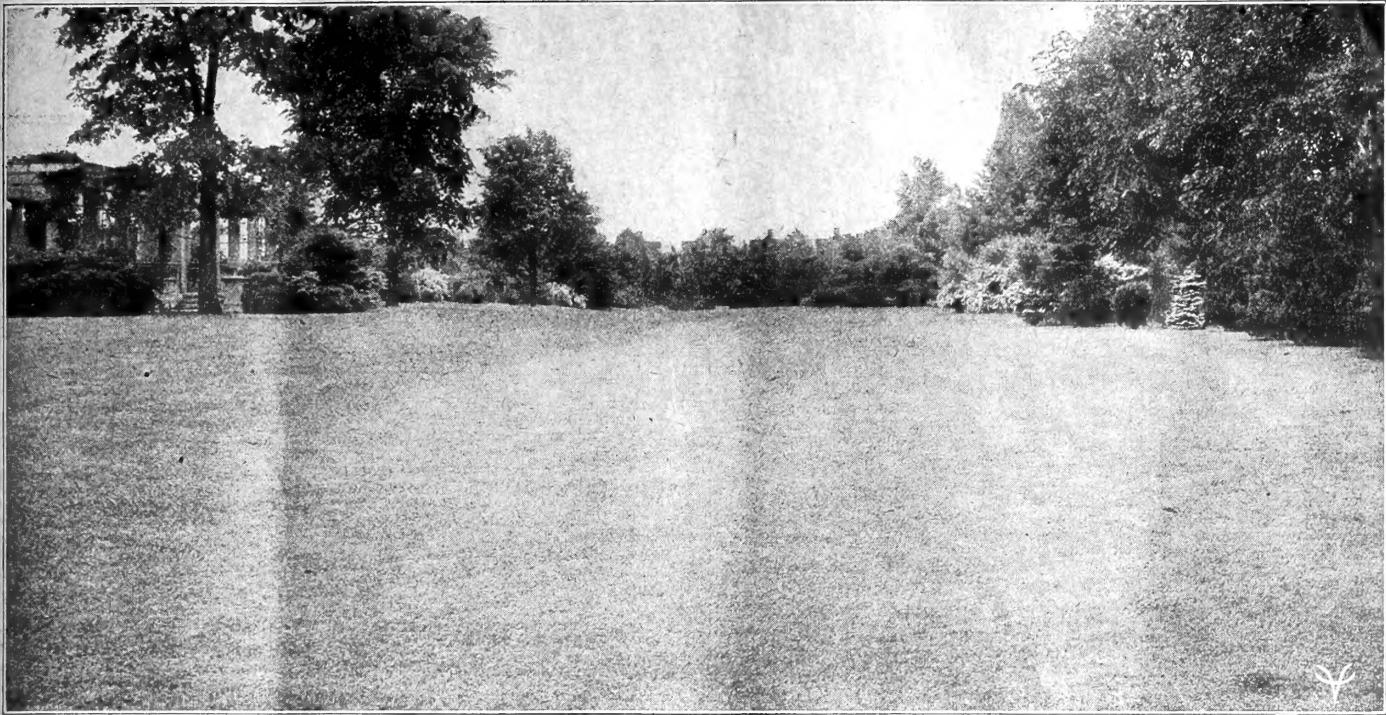
Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes.



No. 90—Four Compartment, Round Bottom. No. 9—Three Compartment, Round Bottom.

No. 9, shipping weight, 3 lbs, each..... \$1.35
No. 90, shipping weight, 4 lbs, each..... 1.65

Complete Poultry Catalogue on Incubators and Supplies Free on Application.



AUTUMN IS THE TIME TO MAKE A LAWN

MANY gardening operations are more satisfactorily performed in the fall than in the spring. In the sowing of grass seed, to make a new lawn, or to improve an old, fall operations have numerous advantages. It is nature's way to drop grass seed in summer; the seeds are washed into the soil when the first fall rains come, and germinate in time to establish roots before the ground is frozen. Growth is resumed with the first thaws of early spring, and roots are being strengthened when spring sown seed is just undergoing germination. Where a new lawn is sown in the fall, the inevitable bare spots show up early in the spring, permitting resowing in time to cover them for the summer and produce a slightly sweep of lawn in the season when it is most desirable.

During the first winter after the lawn has been started it is advisable to protect it with a thin covering of well rotted manure, but such a mulch is always unsightly and after the first year is not essential.

The following quantities of seed will give a uniform thick growth for the given space, but can be increased if desired.

One pound for 350 square feet; 5 pounds for 1750 square feet; 10 pounds for 3500 square feet; 15 pounds for 4250 square feet, 25 pounds for one-fourth acre; 50 pounds for one-half acre; 100 pounds for one acre. A 25-foot lot, deducting for usual house space and outbuildings requires about 5 pounds; a 50-foot lot about 10 pounds. If intended for renovating an old lawn, use about half above quantities.

VAUGHAN'S "CHICAGO PARKS"

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest grades of evident purity and germination.

For more than 40 years it has been standard in America, each year adding to its popularity and increasing sales.

In the great parks and cemeteries, where best results must be had in order to produce beautiful and enduring turf, Vaughan's "Chicago Parks" is used almost exclusively.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned, then re-cleaned. This applies to all the separate kinds of seed contained in the mixture, besides which each lot is tested for germination, in the most painstaking and careful manner.

Price, $\frac{1}{2}$ lb., 20c; 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.25; 25 lbs., \$9.00; 50 lbs., \$17.75; 100 lbs., \$35.00.

Postage 8c per lb. extra. See Special prepaid offer below.

Write for special prices on large quantities.

VAUGHAN'S "CENTRAL PARK" MIXTURE

A mixture similar to the "Chicago Parks" and adapted to eastern Atlantic conditions. Prices same as "Chicago Parks."

VAUGHAN'S QUICK SOD

A new mixture put up for fall sowing and first planting on new soil. Quick growing, hardy grasses. Produces a good sod that will winter without killing out. Price, lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.15; 50 lbs., \$15.25; 100 lbs., \$30.00.

Special Prepaid Lawn Seed Offer. On all orders of Lawn Grass Seed amounting to \$2.00 and over, we prepay transportation within 300 miles of Chicago or New York. See other Prepaid Offers on inside front cover page.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

To provide sure and beautiful lawn grass under such conditions, Vaughan's "Columbian" has been prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn seed for a shady place or for light, sandy soil.

QUANTITY TO USE—On new lawns, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs., for 4,000 square feet; 15 lbs. for 6,000 square feet, 25 lbs., for one-fourth acre; 100 lbs. for one acre. To replenish lawns where turf is thin use 50 lbs. to acre.

Price, lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.25; 25 lbs., \$9.00; 50 lbs., \$17.75; 100 lbs., \$35.00.

Write for special prices on large quantities.

VAUGHAN'S DENSE SHADE MIXTURE

Composed of grasses most suited for growing in heavily shaded situations.

Price, per lb., 60c; 5 lbs., \$2.90; per bu. of 20 lbs., \$11.00.

Write for special prices on large quantities.

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burned spots. Sow in very early Spring, or late Summer and Fall (end of August to middle of October); also before every Summer rain, on thin places. Price, per quart, 40c; per bushel of 24 lbs., \$8.75.

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, per lb., 25c; 5 lbs., \$1.10; 100 lbs., \$20.00.

Kentucky Blue Grass We offer in two grades—**Extra Fancy Seed**. sun-dried, twice re-cleaned. Of very high germination. 1 lb., 45c; 5 lbs., \$2.15; 10 lbs., \$4.20; 100 lbs., \$40.00. **Fancy Seed**—Actual weight 21 lbs., per bushel. 1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.75; 100 lbs., \$35.00.

Red Top Grass Fancy re-cleaned. Solid seed, 32 lbs. to bushel. 1 lb., 30c; 10 lbs., \$2.75; 100 lbs., \$25.00. **Common Unhulled Bushel** 14 lbs. 1 lb., 18c; 10 lbs., \$1.50; 100 lbs., \$14.00.

White Clover Extra fancy seed. 1 lb., 90c; 3 lbs., \$2.60; 10 lbs., \$8.50. Add 8 cents per pound to above prices if wanted by mail.

Truly a fine lawn is "a thing of beauty and a joy forever." Sow Vaughan's Lawn Seed.

For Fall
Planting

Vegetable Seeds and Roots

For Greenhouse,
Frame or Garden

Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stalk. Very productive perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. Pkt., (1/2 lb.) 15c; qt., (1 lb.) 25c; pk., (7 lbs.) 75c; 1/2 bu., (14 lbs.) \$1.25; bu., (28 lbs.) \$2.00.

WHITE WELSH ONION. For green onions. Hardy with slight protection. Pkt. 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.25; lb., \$4.00.

Cucumber—English Frame Varieties

Rollison's Telegraph. Greenhouse, English grown. Pkt., 50c. Vaughan's Prolific Forcing. Pkt., 25c.

GREENHOUSE AND FRAME VARIETIES

The Vaughan. (The best American Cucumber.) Darker, thinner, longer and more prolific than the old standards like Davis Perfect. Pkt. 10c; oz., 50c.

Davis' Perfect. (Vaughan's Select Stock.) Selected for length and tapering ends. Extra fine color. Pkt., 10c; oz., 20c; 1/4 lb., 50c; 1 lb., \$1.75. Stock seed selected for forcing. Pkt., 15c; 2 pkts., 25c; 1/2 oz., 60c; oz., \$1.00.

Radish

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequalled strain of this most popular sort. Pkt., 10c; oz., 15c; 1/4 lb., 45c; 1 lb., \$1.50.

Giants Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing radishes. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

Crimson Giant. A standard, very large and early forcing radish, a fine strain. Pkt., 10c; oz., 15c; 1/4 lb., 45c; 1 lb., \$1.50.

Vaughan's Early Carmine Turnip. The earliest, all scarlet, turnip-shaped radish. Earlier than Scarlet Globe. Pkt., 10c; oz., 15c; 1/4 lb., 45c; 1 lb., \$1.50.

Spinach

Extra Large Round Leaf, Monstrous Leaved Viroflay, and Vaughan's Norfolk Savoy. Oz., 10c; 1/4 lb., 20c; 1 lb., 65c.

Tomatoes

For Under Glass. Best Re-selected Stocks.

Lister's Prolific (New.) Latest popular English sort. Pkt., 25c.

Comet (Scarlet.) **Sterling Castle** (Scarlet), **Sunrise** (Scarlet), **Hubert's Marvel** (round like an apple), **Frogmore Selected** (Scarlet), **Best of All** and **Lorillard** (Two old standards), Pkt., 15c.

New Globe, Chalk's Early Jewel and **Bonny Best**, American forcing varieties. Pkt., 10c.

Plant
the Best

Vaughan's Grass and Farm Seeds

For Fall
Sowing

New Rosen Rye

We have been growing this new Michigan variety for several years and consider it a great advance over other sorts. From all parts of the country there are reports of yields 20 to 30 per cent heavier than the common variety. It is a four row, winter variety, introduced by the Michigan Agricultural Experiment Station. Our seed is our own growing in Michigan and certified.

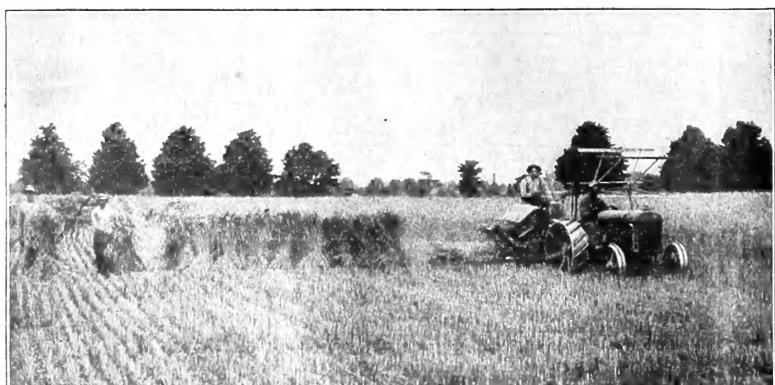
Peck, 90c; bushel, \$3.00; 10 bu. lot, \$27.50.
2 bu. grain bags, 65c each, extra. If shipped from New York, add 30c per bushel to these prices.

Common Rye

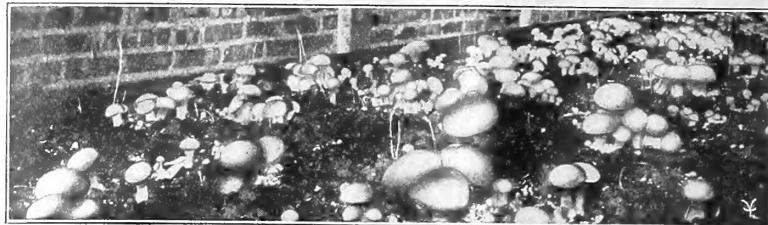
Our seed is a fine, clean, heavy yielding strain. Michigan grown. Peck, 80c; bu., \$2.60; 10 bu., lot, \$25.00.
2 bu. grain bags, 65c each, extra. If shipped from New York add 30c per bushel to these prices.

WINTER VETCH (Also Called Hairy or Sand Vetch)

Should be sown early in fall. The best winter cover crop, especially fine for orchards. Grain bags, 65c each, extra. 10 lbs., \$3.00; bu., \$16.75; 100 lbs., \$26.00.



Harvesting Rosen Rye on our Michigan Farm.



MUSHROOMS GROWING IN A BASEMENT.

Mushroom Spawn

(LAMBERT'S SPORE CULTURE)

Thousands of people are successfully raising delicious mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia.) Very hardy and a good producer.

No. 8. Cream Columbia, Mammoth Strain. Hardy and prolific.

No. 9. White Alaska, Mammoth Strain. A most popular sort with growers for the market.

Price—New Spore Culture. The latest process of manufacture. A much harder and more prolific spawn than any yet produced. Price Lambert's spore culture brick, (weight 1 1/4 lb.) 35c; 2 for 65c; 5 bricks, \$1.50; 10 bricks, \$2.75; 100 bricks, \$20.00. Not prepaid.

Direct Bricks. Standard process—brick weight (1 1/4 lb.) 30c; 5 bricks, \$1.40; 10 bricks, \$2.50; 100 bricks, \$18.00. Not prepaid. Special prices in case lots.

ENGLISH SPAWN. A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks (weight per brick 1 1/4 lb.). **Price**, brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 lbs., \$3.25; 100 lbs., \$12.00; if shipped from New York, \$7.00. Special prices on half ton lots and up.

Lettuce

GRAND RAPIDS FORCING Vaughan's Selected Stock For Greenhouse

Use. This grand forcing variety is the hardest of all sorts for greenhouse use and is planted now to the exclusion of almost all other sorts for the purpose. Our strain cannot be surpassed in quality. Bred from single plant selections.

Vaughan's Extra Selected Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., \$1.50.

Standard Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; 1/4 lb., 30c; 1 lb., \$1.00.

BLACK-SEEDED SIMPSON. Forms large, loose leaves of ideal color. A good variety for use under glass and best for early outdoor planting.

Vaughan's Select Stock. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.50.

Plant
the Best Vaughan's Grass and Farm Seeds For Fall
Sowing

RED ROCK WHEAT (New)

Certified seed, our own growing in Michigan. An extra hardy red bearded sort, recently introduced by the Michigan Agricultural Station. A heavy yielder and in Michigan has proven even less liable to winter kill than Turkey Red.

Peck, \$1.25; bu., \$3.75; 10 bu., \$35.00.

2 bu. grain bags, 65c each, extra. If shipped from New York add 30c per bushel to these prices.

TURKEY RED WHEAT

Well bearded and very heavy. The bearded wheats are by far the hardest of the winter sorts. The heads of the Turkey Red are of good size and the plants stand out well. Carefully recleaned. Prices by freight or express at purchasers expense. Peck, \$1.25; bu., \$3.75; 10 bu., \$35.00.

Grain bags, 65c each, extra. If to be shipped from New York add 30c per bushel to these prices.

KLONDYKE WHEAT

A bald or smooth wheat, red chaffed, with fine amber grain. Has displaced the old standard Golden Chaff, where grown in comparison.

Peck, \$1.25; bu., \$3.75; 10 bu., \$35.00.

2 bu. grain bags, 65c each, extra. If to be shipped from New York add 30c per bushel to these prices.

V CLOVERS, ALFALFA, VETCH, TIMOTHY, ETC.

Brand—The highest market quality obtainable. We maintain our own seed laboratory. Every lot tested for germination. Samples and analysis on request.

10 lbs. Bu. 100 lbs.

Alfalfa, Dakota Dry Land..... \$4.00 \$22.75 \$36.00

" West Grown Fancy..... 3.75 21.50 34.00

" Grimm or Everlasting..... 7.90 46.20 76.50

Clover, Medium Red Fancy..... 4.00 22.75 36.00

" Mammoth Red Fancy..... 4.25 24.00 38.00

" Alsike Fancy..... 4.00 22.75 36.00

" Crimson..... 1.60 8.70 14.00

" Sweet or Bokhara..... 3.00 16.75 26.00

Timothy, Fancy..... 1.60 6.25 12.00

Grain bags 68c each extra, for Chicago. Add one dollar per hundred pounds if ordered from New York. Above prices represent values as this catalog went to press. Market is unsettled. Write for latest prices and figures on medium grades.

VAUGHAN'S GARDEN TOOLS AND REQUISITES

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FUMIGATORS. Eureka, galvanized. Used for burning tobacco stems in order to fumigate greenhouses. No. 1, capacity $\frac{1}{2}$ pk., \$2.75; No. 2, capacity 1 pk., \$3.65; No. 3, capacity $\frac{1}{2}$ bu., \$4.40; No. 4, capacity $\frac{3}{4}$ bu., \$5.75.

FERTILIZERS

BONE MEAL. Vaughan's "Rose Grower" Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00. (In New York, 80c higher per 100 lbs.)

BONE MEAL, "Regular Grade." 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.70; 50 lbs., \$2.85; 100 lbs., \$4.70. (In New York, 80c higher per 100 lbs.)

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$2.65; 500 lbs., \$9.75; 1,000 lbs., \$16.50; 2,000 lbs., \$32.50. (Prepaid to nearest railroad station if within twenty miles of Chicago.) In New York, 80c higher per 100 lbs.

NITRATE OF SODA or Chilli Salt-peter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must furnish the plant with Nitrogen.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.50; 100 lbs., \$7.00; Write for prices on larger quantities.

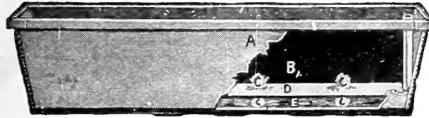
Sheep MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 30c; 10 lbs., 60c; 25 lbs., \$1.35; 50 lbs., \$2.00; 100 lbs., \$3.20; 500 lbs., \$12.50; 1000 lbs., \$21.50; ton, \$42.50. (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.) F. O. B. New York, 100 lbs., \$3.75; 500 lbs., \$17.50.

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each; Large pkg., 30c each.

Mailing weight, small, 10 oz.; large 17 oz. Each package contains full directions.

FLOWER BOXES AND BASKETS

Splendid for growing bulbs



"Illinois" Self-Watering

Box has reservoir in bottom, which when filled with water will supply plants with moisture for ten days.

Water being conveyed direct to the roots of plants leaves soil in a loose condition, ideal for plant growth. Sold in following Shapes and Sizes.

WINDOW BOXES

No.	Length	Price	No.	Length	Price
1.....	23 in.....	2.70	6.....	33 in.....	\$3.40
2.....	25 in.....	2.80	7.....	35 in.....	3.60
3.....	27 in.....	2.90	8.....	37 in.....	3.75
4.....	29 in.....	3.10	9.....	39 in.....	3.95
5.....	31 in.....	3.25	10.....	41 in.....	4.10

PORCH BOXES

No.	Length	Price	No.	Length	Price
23.....	45 in.....	5.50	25.....	53 in.....	\$6.25
24.....	49 in.....	5.75			

HANGING BASKETS

No.	Depth	Square	Price	No.	Depth	Square	Price
8.....	6 in.....	8 in.	\$1.65	12.....	8 in.....	12 in.	\$2.35
10.....	7 in.....	10 in.	2.00	14.....	9 in.....	14 in.	2.75

GLASS CUTTER, DIAMOND. Each, \$5.00.

GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS. Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2 $\frac{1}{2}$, double thick, for greenhouse and sky-lights. Price, per lb. (approximately 900), 70c, postage extra.

Siebert's Improved, $\frac{5}{8}$ and $\frac{7}{8}$, price per lb., 70c.

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. Each, \$2.70; 3 for \$7.50; doz., \$28.75. Glazed, each, \$7.30; 3 for \$21.50; doz., \$83.00. For 8-inch glass, 4 rows each, \$2.85; 3 for \$8.40; doz., \$32.00. Glazed, each, \$7.75; 3 for \$22.75; doz., \$86.00.

HOTBED MATS.

Burlap. Lined waste wool and cotton quilted. Made of finest material. Size A—40 in. x 76 in. each, \$3.50; doz., \$38.00. Size B—76 in. x 76 in. each, \$5.00.

INSECTICIDES AND FUNGICIDES

Insecticides containing Poison cannot be sent by mail.

Weights—By mail, $\frac{1}{2}$ pt. 1 lb.; pt. 2 lbs.; qt., 3 lbs. **APHINE.** A new insecticide discovery that kills plant life of every species. Effective indoors and outdoors. Per $\frac{1}{2}$ pint, 40c; per pint, 65c; per quart, \$1.00; gallon, \$3.00.

BLACK LEAF 40. Highly recommended as a spray for soft-bodied sucking insects. Follow directions carefully. 1 oz., 25c; $\frac{1}{2}$ lb., \$1.00; 2 lbs., \$3.25. (1 oz. makes from 5 to 10 gals. of spray).

WHALE OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. Per lb., 30c; 5 lbs., \$1.25.

FLOWERS OF SULPHUR. For mildew on roses, etc. 1 lb., 12c; 10 lbs., 85c; 25 lbs., \$2.00.

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. $\frac{1}{2}$ pint, 35c; pint, 60c; quart, \$1.00; $\frac{1}{2}$ gal., \$1.60; gal., \$3.00.

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. Qt. can, 50c; 1 gal., \$1.00; 5 gal. can, \$4.00.

NICO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide.

Price, 24 sheets, \$1.25; 144 sheets, \$5.00; 288 sheets, \$9.50.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent Nicotine. $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50.

NICOTICIDE. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 oz., 70c; $\frac{1}{2}$ pt., \$1.25; pint, \$2.50; quart, \$4.50; $\frac{1}{2}$ gal., \$8.25; gal., \$15.00. Fumigator for above, \$1.00.

NIKOTEEEN. Use same as Nicoticide. 1 oz., 35c; 2 oz., 55c; $\frac{1}{2}$ pint, \$1.10; pint, \$2.00.

SULPHO TOBACCO SOAP. For greenfly on roses. 8 oz. box, 25c; by mail, 30c; 3 ozs., 15c; by mail, 18c.

TOBACCO STEMS. For fumigating.

5 lbs., 25c; 100 lbs., \$2.25.

TOBACCO DUST. One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. 1 lb., 15c; 5 lbs., 45c; 10 lbs., 80c; 100 lbs., \$4.75.

KNIVES. Propagating. Ivory handle.

Each, \$2.00; by mail, \$2.05.

Propagating. "The Vaughan," best of all. Each, \$1.25; by mail, \$1.30.

Budding and Propagating. Two blades, white handle. Each, \$1.50; by mail, \$1.55.

Pruning. Stag handle, English.

Each, \$2.00; by mail, \$2.05.

Imported Pruning. \$1.50; by mail, \$1.55.

LABELS, Wooden, for Pots. Per 100 4 in., painted..... \$0.25 \$1.40 5 in., painted..... .35 1.85 Tree (wired) 3 $\frac{1}{2}$ in..... .40 2.25

Cypress.—For use outside, will last for years, 16x1 $\frac{1}{4}$ in. Doz., 40c; 100 for \$2.75; 18x2 in. doz., 50c., 100, \$3.50.

MASTER FRUIT PICKER

No Broken Limbs

(on trees or men)

Mechanical Apple and Fruit Picker

From Picking Fruit

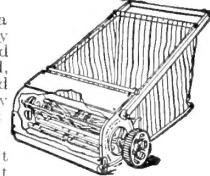
So simple children can pick fruit with no danger

For 18 months this picker has been successfully used in Northern Illinois. Now being offered to the Fruit Growers of United States, Canada and England.

Price \$2.00. Parcel Post Paid.

LAWN SWEEPER

The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24 in. cut. Each, \$24.00.



LEAF CART. A hand cart frame with a very light wood rack. Complete with truck. \$20.00.

LEAF MOLD. Peck 40c; Sack Bushel \$1.25.

PEAT. For potting Orchids, etc. Per bbl., \$3.00 Peat. For potting Azaleas. Per bbl., 3.00

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1	6x 6	\$0.70	2	\$2.60	\$1.90
2	8x 8	.80	3	3.00	2.45
3	10x 9	1.05	4	4.00	3.10
4	12x11	1.45	5	5.60	4.10

If handles are required add 35c per tub.

The first numeral is diam. at top; the second is depth.

PUTTY (Twemlow's Old English). Semi-liquid. To be used in same manner as Mastica. Price, per gal., \$3.25.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing green-houses. Each, \$1.50. Mailing weight, 1 lb

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully, but will not be responsible for breakages.

Doz.	100	1000	Doz.	100
2 in.....	\$0.35	\$1.65	6 in.....	\$1.30
2 $\frac{1}{2}$ in.....	.40	1.90	16 in.....	2.15
3 in.....	.45	2.35	20.50	2.50
4 in.....	.70	3.75	10 in.	55
5 in.....	1.00	6.00	12 in.	5.50

BULB OR FERN PANS (RED)

Each	Doz.	Each	Doz.	
6 in.....	\$0.17	\$1.30	8 in.	\$0.28
7 in.....	.22	2.15	10 in. . . . .	.55

SAUCERS.—Fibre, waterproof and unbreakable.

Each	Doz.	Each	Doz.	
5 in.....	\$0.42	\$5.00	9 in.....	\$0.58
6 in.....	.45	5.25	10 in.....	.68
7 in.....	.48	5.50	12 in.....	.80
8 in.....	.52	6.00		

POTTING SOIL. This mixture is prepared by us Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 40c; bu., \$1.25; bbl., \$3.00.

RAKES. Steel Bow Garden. Best, does not break in center; 12 teeth; \$1.10; 14 teeth, \$1.20; 16 teeth, \$1.30.

Garden. 12 teeth, 75c; 14 teeth, 85c; 16 teeth, 95c.

LAWN RAKES

Automatic Self-Cleaning. A backward motion of the operator clears all the teeth at once. Each, \$1.10.

Lawn Queen. Wire teeth, reversible head, 24 teeth; each, 95c. 36 teeth; each, \$1.25.

SAWS. Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. Each, \$2.35; extra blades, 25c.

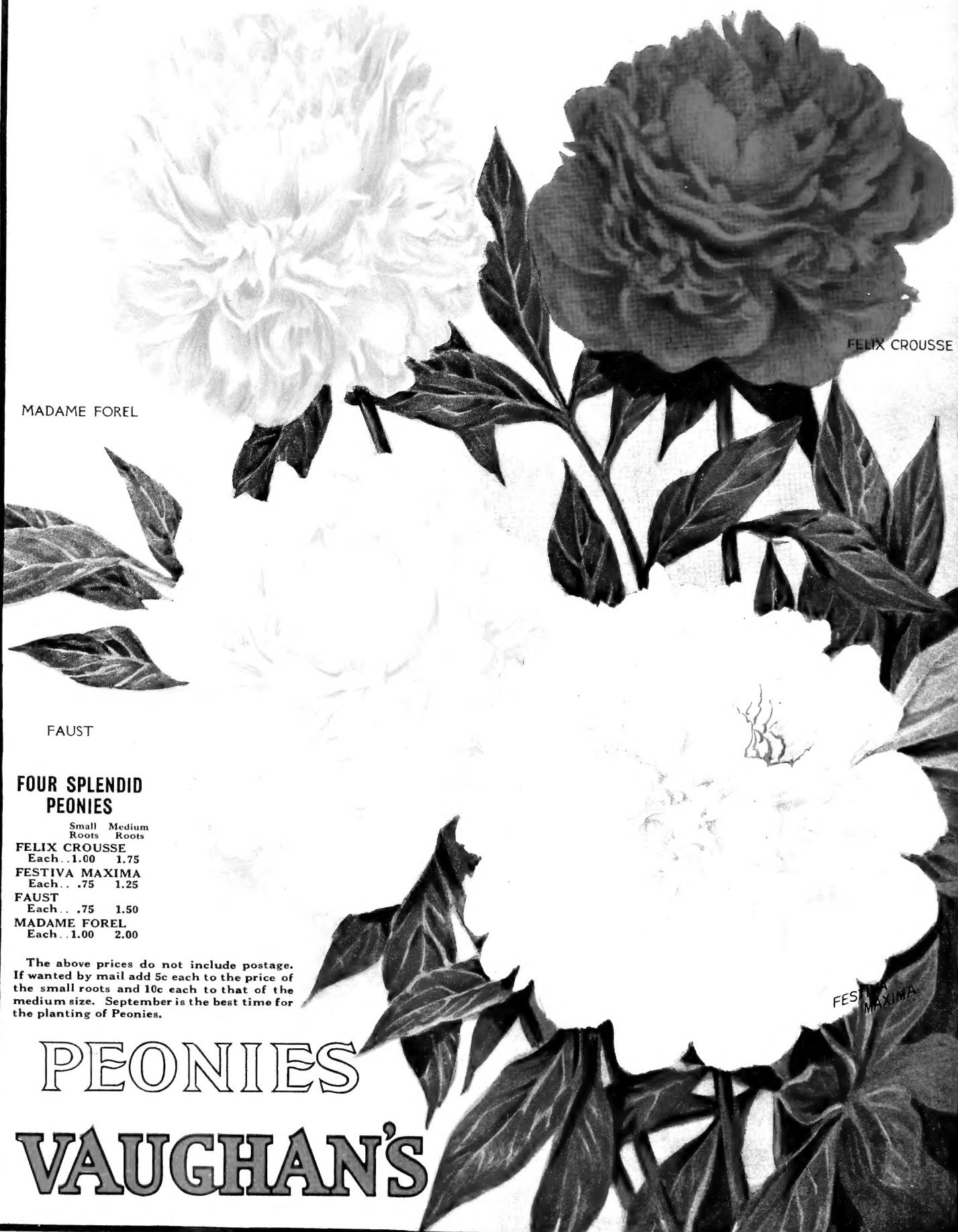
SHEARS (Pruning)—Best Grade, 9 in. each, \$2.00. California style, with Brass Spring, 9 in. each, \$2.15. 6 inch Nickel Plated, each, \$1.50.

SPRINKLERS. The Lenox. A splendid sprayer for in or outdoor plants, rose bushes, etc. Each, 75c; by mail, 80c; extra bulbs, 25c each.

Scollay's Rubber. Indispensible for floral work Large, \$1.50; by mail, \$1.55; Medium, \$1.25; by mail, \$1.30. Small, \$1.00; by mail, \$1.05.

WATERING POTS.—American. (Fig. 52) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$3.60; 6 quart, \$3.95; 8 quart, \$4.10; 10 quart, \$4.60; 12 quart, \$5.10.

French Style. Oval, otherwise same make as above; 6 quart, \$4.25; 8 quart, \$4.60; 10 quart, \$5.10; 12 quart, \$5.60.



FOUR SPLENDID PEONIES

	Small Roots	Medium Roots
FELIX CROUSSE	Each.. 1.00	1.75
FESTIVA MAXIMA	Each.. .75	1.25
FAUST	Each .. .75	1.50
MADAME FOREL	Each.. 1.00	2.00

The above prices do not include postage.
If wanted by mail add 5c each to the price of
the small roots and 10c each to that of the
medium size. September is the best time for
the planting of Peonies.

PEONIES VAUGHAN'S